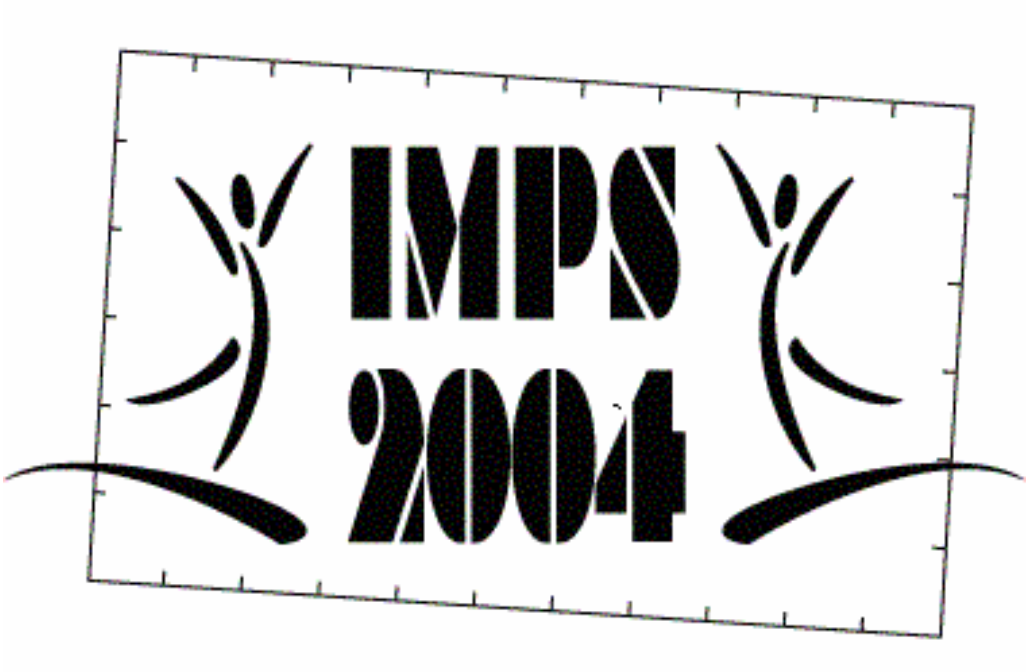

Conference Program

Psychometric Society 69th Annual Meeting
Pacific Grove (Monterey), California

June 14-17, 2004

Program, Monday, June 14, 2004

7:30

Crocker — Breakfast (Cafeteria serves from 7:30-9:00)

8:15-9:00

Hearst Patio — Workshop Registration

9:00-4:30

Scripps — **Pre-Conference Workshop**

- Multilevel and Latent Variable Modeling of Discrete Data
  Sophia Rabe-Hesketh, University of California Berkeley
  Anders Skrondal, Norwegian Institute of Public Health

Viewpoint — **Pre-Conference Workshop**

- The Kernel Method of Observed Score Test Equating
  Paul. W. Holland, Alina A. von Davier, Dorothy T. Thayer
  Educational Testing Service

12:00-1:00

Crocker — Lunch (Cafeteria serves from 12:00-1:00)

2:00-8:00

Hearst — Conference Registration

2:30-4:30

Curlew — Editorial Council Meeting I

4:30-6:30

Curlew — Editorial Council Meeting II

6:00

Crocker — Dinner (Cafeteria serves from 6:00-7:00)

7:00-9:00

Hearst — Welcome Reception (Hosted by CTB/McGraw-Hill)

Program, Tuesday, June 15, 2004

7:30

Crocker — Breakfast (Cafeteria serves from 7:30-9:00)

7:30-10:30

Chapel — Conference Registration

8:20-8:30

Chapel — **Welcome: Willem Heiser**

8:30-9:30

Chapel — **Keynote Lecture**: "Measurement Analogies: Comparisons of Behavioral and Physical Measures"
R. Duncan Luce, University of California, Irvine
Chair: **Willem Heiser**

9:35-10:15

Chapel — **Invited Lecture**: "Double Structure Item Response Models"
Paul de Boeck
Chair: **Lori D. McLeod**

Scripps — **Invited Lecture**: "Measurement Models Based on Item Exchangeability"
Henk Kelderman
Chair: **Terry Ackerman**

Viewpoint — **Invited Lecture**: "**Rotation Algorithms: From beginning to end (?)**"
Robert I. Jennrich
Chair: **Michael Browne**

10:15-10:30

Chapel — Coffee Break

10:30-12:10

Chapel — **Contributed Session:** "Topics in Multivariate Analysis"
Chair: **Carolyn Anderson**

- An Evaluation of the Fleishman Transformation for Simulating Non-Normal Data in Structural Equation Modeling
  Greg Welch, Kevin H. Kim
- Robustified Covariance Selection
  Masashi Miyamura, Yutaka Kano
- Partial Invariance and Selection Accuracy in Two Populations
  Roger E. Millsap, Oi-Man Kwok
- Assessing Rater Behavior in Large Scale Assessment
  Judit Antal, Tamas Antal
- What Exactly do Consumers Respond to in a Concept Test?
  Ling Peng, Adam Finn

Scripps — **Contributed Session**: "Applications of IRT Models"
Chair: **Werner Wothke**

- Generalizability Theory in Item Response Modeling
  Derek Briggs, Mark Wilson
- Defining Minimal Clinically Important Differences: Does Item Response Theory Have the Answer?
  Lori D. McLeod, Sheri E. Fehnel
- Using Paired Comparisons and a One-Faceted Rasch Model to Create the Semantic Construct of Frequency
  Thomas R. O'Neill
- Visualizing Standard Error of Equating Using the Bootstrap and the SEER Methods
  Christopher W.T. Chiu
- Application of a Mixture IRT Model for Cognitive Diagnosis
  Daniel Bolt, Andrew Mroch

Program, Tuesday, June 15, 2004 - Continued

Viewpoint

Contributed Session: "Multivariate Analysis"
Chair: **Ulf Bockenholt**

- Generalized Structured Component Analysis
  Heungsun Hwang, Yoshio Takane
- An Improved Method for Generalized Structured Component Analysis
  Yoshio Takane, Michael A. Hunter, Heungsun Hwang
- Refinements for Random-Effects Meta-Analysis of Correlation Matrices
  Adam R. Hafdahl
- A Quasi Tucker2 Method Based on Principal Component Analyses of Slices of a Three-Way Array
  Kohei Adachi
- Estimation of Generalized Linear Latent Variable Models
  Philippe Huber, Elvezio Ronchetti, Maria-Pia Victoria Feser

Curlew

Invited Session: "Psychometric Research Associated with a Large, Operational CAT System"
Chair: **Alan Nicewander**

- The Effects of Item Position on the Calibration of Items Seeded into Adaptive Tests
  Iosif Krass, Alan Nicewander
- A Stimulation Study of Parametric and Non-Parametric Algorithms for Calibrating 3-PL and Non-3PL Items Seeded into Adaptive Tests
  Alan Nicewander, Rebecca Hetter, Gray Thomasson, Iosif Krass, Mary Pommerich, Daniel Segall, Kathleen Moreno
- Modeling and Detecting Collaboration: A Multidimensional Item Response Theory Approach
  Daniel O. Segall
- Evaluating the Scale of Items within CAT Pools Using Adaptive Data
  Mary Pommerich, Daniel O. Segall, Iosif A. Krass

Marlin

Contributed Session: "Reliability"
Chair: **Bert F. Green**

- Studying Stability of Reliability in Repeated Measures Models Eliminating Variable Specificity
  Tenko Raykov, John Tisak
- The Reliability of Students Evaluating University Teaching: An Analysis of Four-Facet Data by Generalizability Model and Structural Equation Modeling
  Hideki Toyoda, Kentaro Nakamura
- Investigating the Properties of the Reliability Estimation Formula by Gulliksen
  Xiang Bo Wang, Louis Mi Wang
- Estimating and Comparing Classical Test Theory Measurement Models
  Joseph A. Olsen
- Bayesian Consideration of Test-Retest Reliability Coefficients
  Hidetoki Ishii, Hiroshi Watanabe

12:10-1:20

Crocker

Lunch (Cafeteria serves from 12:00-1:00)

1:20-3:00

Scripps

Invited Session: "Estimation of Proficiency Distributions from Matrix Sample Assessments: Research on Improving Current Practice"
Chair: **John Mazzeo**

- Basics of Large-Scale Educational Surveys
  Catherine McClellan
- Estimation of Proficiency Distributions from Matrix Sample Assessments: Context and Current Procedures
  John R. Donoghue
- Comparing Bias, Precision, and Stability of Estimation of Group-Level Statistics Based on High Dimensional and Low Dimensional Population Models
  Amy R. Dresher, John R. Donoghue, John Mazzeo
- Application of Stochastic EM Methods to Latent Distribution Models
  Sandip Sinharay, Matthias von Davier
- Current Developments in Estimating Latent Distributions
  Matthias von Davier
- Summary and Discussion
  Brian Junker

Program, Tuesday, June 15, 2004 - Continued

Viewpoint

Invited Session: "Multiple Correspondence Analysis and Related Nonlinear Methods"
Chair: **Kohei Adachi**

- Exploring Nonlinear Inter-Variable Relations by a Variant of Nonmetric Principal Component Analysis
  Kohei Adachi
- Linking Tests by Nonlinear Factor Analysis for Continuous and Binary Variables
  Tatsuo Otsu
- Stability of Category Quantifications in Multiple Correspondence Analysis Under Two Ways to Remove Outlier Dominance: A Case Study
  Cornelius M. van Putten, Arianne Smits, Mark de Rooij
- An Extension of Multiple Correspondence Analysis for Capturing Unobserved Respondent Heterogeneity
  Heungsun Hwang, William R. Dillon, Yoshio Takane
- Dual Scaling Approach to Correlation Between Categorical Variables
  Shizuhiko Nishisato

Curlew

Contributed Session: "Topics in Estimation"
Chair: **Daniel M. Bolt**

- Improving the Accuracy of Ability Estimates through Simultaneous Estimation and Incorporation of Ancillary Variables
  Jimmy de la Torre
- A Comparison of Methods to Investigate an Invariante Ordering of Polytomous Items
  Janneke te Marvelde
- Paired Comparison IRT Model by 3-Value Judgment: Estimation of Item Parameters Prior to the Administration of the Test
  Koken Ozaki, Hideki Toyoda
- A Comparison of Dichotomous and Nominal Polytomous Item Response Theory Models as Applied to Multiple Choice Test Items
  Jennifer Hatfield
- Stability of Some Item Response Theory Monte-Carlo Goodness of Fit Indices
  Tamas Antal, Judit Antal

Marlin

Contributed Session: "New Models for the Analysis of Change"
Chair: **Shelley A. Blozis**

- Exploratory Factor Analysis of Lagged Correlation Matrices
  Michael W. Browne, Guangjian Zhang
- Bootstrapping Dynamic Factor Analysis
  Guangjian Zhang
- Examining the Dynamics of Pleasant and Unpleasant Emotions Using Spectral Analysis and the Rating Scale Model
  Nilam Ram, Sy-Miin Chow, Kevin J. Grimm, Frank Fujita, John R. Nesselroade
- A Monte Carlo Comparison of Methods for Fitting Nonlinear Dynamic Models
  Sy Miin Chow, John R. Nesselroade
- Towards an Integration of Intraindividual and Interindividual Techniques
  Ellen Hamaker, Peter Molenaar

3:00-9:00 Excursion around Monterey – Tickets Sold Separately

3:00-6:00

Scripps Meeting of the Board of Trustees

6:00

Crocker Dinner (Cafeteria serves from 6:00-7:00)

Program, Wednesday, June 16, 2004

7:30

Crocker — Breakfast (Cafeteria serves from 7:30-9:00)

7:30-10:30

Chapel — Conference Registration

8:20-10:00

Chapel

Contributed Session: "Equating and Linking"
Chair: **Cees A.W. Glas**

- Linking Tests
  Paul Holland
- Evaluating Equating Error in Observed-Score Equating
  Wim J. van der Linden
- Population Invariance of Non-Linear Equating Using LSAT Test Data
  Mei Liu, Paul Holland
- Nonparametric IRT Equating
  Xueli Xu, Young-Sun Lee, Jeff Douglas
- A Unified Framework for IRT Scale Linking and Scale Transformations
  Matthias von Davier, Alina von Davier

Scripps

Contributed Session: "Estimation and Model Specification"
Chair: **Andreas G. Klein**

- Model Selection in Latent Variable Models when Common Statistical Assumptions are Violated
  Ab Mooijaart
- Model Specification Searches Using Genetic Algorithms for Factor Analysis
  Hiroto Murohashi, Hideki Toyoda
- Structural Equation Model Analysis of Missing and Heterogeneous Data
  Wai-Yin Poon, Sik-Yum Lee
- A Unified Maximum Likelihood Approach to Structural Equation Models with Missing Non-Standard Data
  Sik-Yum Lee, Xin-Yuan Song
- ML Analysis of a Multi-Sample Nonlinear Structural Equation Model with Fixed Covariates and Ordinal Variables
  Xin-Yuan Song, Sik-Yum Lee

Viewpoint

Contributed Session: "Scaling and Clustering"
Chair: **Patrick E. Shrout**

- Multidimensional Scaling of Fechnerian Distances
  Hans Colonius, Ehtibar N. Dzhafarov
- Fechnerian Scaling of Discrete Object Sets
  Ehtibar N. Dzhafarov, Hans Colonius
- Profiling Local Optima in K-Means Clustering: Developing a Diagnostic Technique
  Douglas Steinley
- The Robustified Centroid Method
  Choulakian Vartan, Allard Jacques, Almhana Jalal
- Diagnostic Tools for Modeling Attitudinal Data
  Ratna Nandakumar, Lawrence Hotchkiss

Curlew

Contributed Session: "Topics in Data Analysis"
Chair: **Brian Junker**

- Outlier Detection in Test and Questionnaire Data
  Klaas Sijtsma, Andries van der Ark
- Distribution Theory for the Power Method
  Todd C. Headrick
- Robustness of a Multivariate Normal Approximation for Imputation of Incomplete Binary Data
  Coen A. Bernaards, Thomas R. Belin, Joseph L. Schafer
- Multiple Imputation of Item Scores in Test and Questionnaire Data, and Influence on Psychometric Results
  Joost R. van Ginkel
- The Level-of-Imputation Question for Massively Missing Composite Variable Data
  Todd E. Bodner

Program, Wednesday, June 16, 2004 – Continued

Marlin

Contributed Session: "Differential Item Functioning"
Chair: **Sandra Neustel**

- Adjustment of BIB Data for DIF Testing
  Hua-Hua Chang, Jiahe Qian, Pei-Hua Chen, Ying Cheng
- Evaluating DIF in Psychological Scales: Is Statistical Significance Enough?
  Maria Orlando, Kitty S. Chan
- An Assessment of DIF on the Basis of Race/Ethnicity in The Massachusetts Youth Screening Instrument (Maysi~2) Among a Sample of Incarcerated Adolescent Offenders
  Randall MacIntosh, Elizabeth Cauffman
- Detection of Differential Item Functioning in Computerized Adaptive Testing Using Measurement Error Models
  Xin Feng, Zhiliang Ying
- A Bayesian IRT Model for Comparative Item Performance under Dual Administration Modes
  Louis T. Mariano, Maria Orlando

10:00-10:15

Chapel — Coffee Break

10:15-11:55

Chapel

Contributed Session: "Multidimensional Models"
Chair: **Kelly Godfrey**

- Parameter Recovery in Markov Monte Carlo Chain (MCMC) Estimation of a Generalized MIRT Model
  Mary Ann Simpson, Terry A. Ackerman
- Multidimensional Models for Tests Consisting of Mixed Item Types
  Lihua Yao, Richard D. Schwarz
- Significant Characteristics of Anchor Items in the Common-Item, Nonequivalent Groups Design
  Tsung-Hsun Tsai, Robert Sykes, Matthew Gordon
- Bivariate Functional Regularization for the Detection of Cortical Region Transition
  Wen Zhang, James O. Ramsay

Scripps

Contributed Session: "Latent Class and Generalized Linear Models"
Chair: **Paul De Boeck**

- Multivariate Latent Markov Models for Arbitrary Length Time Series: An Implementation and Application
  Ingmar Visser
- Studying Cognitive Developmental Stages: A Comparison of the Binomial Mixture Model and the Latent Class Model
  Samantha Bouwmeester
- High Breakdown Inference in the Mixed Linear Model
  Samuel Copt, Maria-Pia Victoria-Feser
- Generalized Linear Models with Ordinally-Observed Covariates
  Timothy R. Johnson

Viewpoint

Invited Session: "Association Models and Related Methods"
Chair: **Paul Holland (Carolyn J. Anderson)**

- The Analysis of Change, Newton's Law of Gravity and the RC(M) – Association Model
  Mark de Rooij
- A Family of Longitudinal Association Models with Latent Variables
  Jee-Seon Kim, Jeroen K. Vermunt
- Relationships Between Item Response Theory Models and Log-Multiplicative Association Models
  Carolyn J. Anderson, Hsiu-Ting Yu
- Empirical Comparisons of Estimates of Item Response Theory Models and Log-Multiplicative Association Models
  Hsiu-Ting Yu, Carolyn J. Anderson

Program, Wednesday, June 16, 2004 - Continued

Curlew

Invited Session: "Applications of MCMC Methods to Item Response Theory"
Chair: **Wim J. van der Linden**

- Analysis of Variance and Regression Using Multilevel IRT
  Cees A.W. Glas, Jean-Paul Fox
- Hierarchical and Multidimensional Models for Measuring Developmental Growth in Educational Achievement
  Richard J. Patz, Lihua Yao
- Multilevel Modeling of Speed and Accuracy on Test Items
  Wim J. van der Linden
- The Power of Posterior Predictive Checks
  Gunter Maris
- Model Evaluation and Selection in Cognitive Diagnosis: An Analysis of Fraction Subtraction Data
  Jimmy de la Torre

Marlin

Contributed Session: "Models for Longitudinal Data"
Chair: **Robert C. MacCallum**

- Efficient Estimation of Nonlinear Effects in Both Cross-Sectional and Longitudinal SEM
  Andreas G. Klein
- Statistical Methods for the Analysis of Repeated Measurements Data: A Model Comparison Approach
  Jeffrey Harring
- A Second-Order Structured Latent Curve Model for Normal Repeated Measures
  Shelley A. Blozis
- Growth Mixture Modeling of Cognitive Abilities in the Berkeley Studies
  Kevin J. Grimm, John J. McArdle, Fumiaki Hamagami
- A Growth Model for Multilevel Ordinal Data
  Eisuke Segawa

11:55-1:00

Crocker

Lunch (Cafeteria serves from 12:00-1:00)

1:00-1:40

Chapel

Invited Lecture: "Structural Equation Models for Complementary Data"
Albert Satorra
Chair: **Ab Mooijaart**

Scripps

Invited Lecture: "Testing Differences between Models: Power Analyses and Null Hypotheses"
Robert C. MacCallum, Michael W. Browne, Li Cai
Chair: **Roger Millsap**

Viewpoint

Invited Lecture: "A Joint Space Model of Asymmetric Multidimensional Scaling"
Akinori Okada, Tadashi Imaizumi
Chair: **Shizuhiko Nishisato**

1:45-3:25

Chapel

Contributed Session: "Extending IRT Models"
Chair: **David Thissen**

- An IRT Model with a Parameter-Driven Process for Change
  Frank Rijmen
- Dynamic Item Response Models
  Peter van Rijn
- Estimating Acquaintance Volume with a Hierarchical IRT Model
  Francis Tuerlinckx
- A Comparison of Latent Trait Models for Speed Tests with Different Distributional Assumptions
  Margo G.H. Jansen
- A New Approach to Computer Adaptive Assessment with IRT Construct-Modeled Item Bundles (Testlets): An Application of the BEAR Assessment System
  Kathleen Scalise

Program, Wednesday, June 16, 2004 - Continued

Scripps

Contributed Session: "Evaluating Model Fit"
Chair: **Margo G.H. Jansen**

- Does the Satorra-Bentler Scaled Chi-Square Statistic Approximate Zero when the Kurtosis Approximates Infinity
  Tron Foss, Karl G. Joreskog, Ulf Henning Olsson
- Indifference Regions for Goodness of Fit Indices in SEM
  Victor L. Willson, Zhongmiao Wang
- A Statistically Justified Pairwise ML Method for Incomplete Nonnormal Data: A Comparison with Direct ML and Pairwise ADF
  Victoria Savalei
- Empirical Power and Type I Error Rates for Cross-Level Interactions in Multilevel Analysis
  Duan Zhang, Victor L. Willson
- Residuals Based Examination of Fit for Non-Dynamically Consistent Models
  Nathan A. Vandergrift

Viewpoint

Invited Session: "Perspectives on Item Response Modeling"
Chair: **Mark Wilson**

- Explanatory Measurement: A Case Study of Modeling Coping with Stress
  Paul De Boeck
- Modeling Partial Information in Multiple Choice Items
  Derek Briggs, Alicia Alonzo, Cheryl Schwab, Mark Wilson
- Type I Error and Power of Multidimensional and Unidimensional DIF Methods in a Multidimensional Test: MRCML DIF Model, RCML DIF Model, and SIBTEST
  Insu Paek, Mark Wilson
- User-Defined Fit Statistics for the RCML Models
  Margaret L. Wu, Raymond J. Adams

Curlew

Invited Session: "Nonnormal Structural Equation Modeling"
Chair: **Yutaka Kano & Ke-Hai Yuan**

- Between ICA and SEM
  Yutaka Kano, Shohei Shimizu
- Standard Errors and Asymptotic Robustness in Multilevel Models with Distributional Violations
  Ke-Hai Yuan, Peter M. Bentler
- Exploratory Causal Inference Using Nonnormality
  Shohei Shimizu, Aapo Hyvarinen, Yutaka Kano
- Corrected Version of AIC for Selecting Multivariate Normal Linear Regression Models in a General Nonnormal Case
  Hirokazu Yanagihara
- Asymptotic Robustness of the Normal Theory Asymptotic Biases Under Nonnormality in Structural Equation Modeling
  Haruhiko Ogasawara

Marlin

Invited Session: "Scaling Techniques in Various Data Analytic Settings"
Chair: **Mark de Rooij**

- Statistical Inference in Feature Network Models and Additive Trees
  Laurence E. Frank, Willem J. Heiser
- On Ordering Properties of Classical Optimal Scaling
  Matthijs J. Warrens
- Correspondence Analysis as an Alternative to Principal Component Analysis for Single-Peaked Data
  Marike Polak, Willem J. Heiser, Mark de Rooij
- Scaling of Democracy: Exploring Changes Over Time
  Rien van der Leeden, Marike Polak, Renske Doorenspleet

3:25-3:40

Chapel — Coffee Break

3:40-4:20

Chapel — 2004 Dissertation Award Presentation and Address
2004 ETS Student Travel Awards Presentation

Program, Wednesday, June 16, 2004 - Continued

4:20-5:20

Chapel — **Presidential Address**: "Geometric Representation of Association between Categories"
Willem Heiser, Leiden University
Chair: William Stout

5:20-6:20

Chapel — Business Meeting of the Psychometric Society

7:00-9:00

Crocker — Banquet

Program, Thursday, June 17, 2004

7:30

Crocker — Breakfast (Cafeteria serves from 7:30-9:00)

8:30-10:10

Chapel — **Contributed Session**: "Estimation and Computation"
Chair: **Fumiko Samejima**

- Item Response Theory with Estimation of the Latent Population Distribution Using Spline-Based Densities
  Carol M. Woods, David M. Thissen
- Infinite Slope Estimates in Item Response Theory
  David Thissen, Cheryl D. Hill
- Multimodal Likelihoods in IRT-Based Response-Pattern Scoring: Will the Real Maximum Likelihood Score Please Stand Up?
  Werner Wothke, George Burket, LiSue Chen, Furong Gao, Lianghua Shu, Mike Chia
- Comparison of the Marginal Bias and Standard Error of Proficiency Level According to True and Estimated Proficiency Levels
  Gilles Raiche, Jean-Guy Blais
- Bayesian Estimation of a Latent Trait Model with Bounded Continuous Latent Variables
  Elena A. Erosheva

Scripps — **Contributed Session**: "Measurement Problems in Substantive Domains"
Chair: **Tenko Raykov**

- Using a Quadratic Discriminant Model to Predict Baccalaureate Nursing Students' Passing Rate on NCLEX-RN
  Xiaoying Jiang, Grace E. Kissling
- A Longitudinal Examination of the Dimensionality and Predictors of Sport Confidence
  Mark Otten
- Reading Comprehension of Primary School Students – A Unified Cognitive Process or Interacting Component Processes?
  Claus H. Carstensen, Andreas Voss, Wilfried Bos
- What is Good for Science is not Good Enough for Public Policy
  Dennis Hocevar, Susan Page Hocevar
- An Application of the Andersen/Rasch Multivariate Measurement Model within the Framework of Evidence-Centered Design to Explore Students' Problem-Solving in Physics
  Chun-Wei (Kevin) Huang, Robert J. Mislevy

Viewpoint — **Contributed Session:** "Test Assembly and Item Selection"
Chair: **Wilco H.M. Emons**

- Using IRT to Design a Fixed Length Test
  Mark D. Reckase
- A Method for Determining Multiple Non-Overlapping Linear Test Forms
  Ron Armstrong, Dmitry Belov
- A Trend Model for Monitoring Item Security Under Continuous Testing
  Tim Davey, Elizabeth Stone
- An Application of Integer Programming to Optimal Test Assembly with Psychometric and Scheduling Constraints
  Irina Grabovsky, David Swanson
- Combinatorial Analysis for Determining Item Pool Usability in Computerized Adaptive Testing
  Dmitry Belov, Alexander Weissman

Program, Thursday, June 17, 2004 - Continued

Curlew

Contributed Session: "Computerized Adaptive Testing"
Chair: **Francis Tuerlinckx**

- An Investigation of Stratified and Maximum Information Item Selection Procedures in Computerized Adaptive Testing
  Hui Deng, Tim Ansley
- Violations of Ignorability in Computerized Adaptive Testing
  Cees A.W. Glas
- Defining and Finding Optimal Designs for uMFS CATs
  Michael C. Edwards, David Thissen
- Influence of the Number and Magnitude of Testlets in Computerized Adaptive Testing
  Po-His Chen, Wen-Chung Wang
- Two-Phase Item Selection with Realistic Content Balancing Constraints in Computerized Adaptive Testing
  Ying Cheng, Hua-Hua Chang, Yi Qing

Marlin

Contributed Session: "Applications to Substantive Problems"
Chair: **Ratna Nandakumar**

- A Multilevel Covariance Structure Model for Causal Connection Research of Group Effectiveness
  Jun Corser Li
- Exploratory Positioning Analysis: Multi-Mode Multivariate Analysis for Semantic Differential Data
  Hideki Toyoda, Akihiro Saito
- Using Structural Equation Modeling to Assess the Role of Rules Problem Solving as in the Raven's Matrices Test
  Jennifer L. Ivie
- Accounting for Factors Affecting the SAT Performance of Asian American and Pacific Islander Students
  Xiang Bo Wang, Wayne Camara, Jennifer Kobrin, Ying Zhou
- Post High School Career Expectations: A Comparative Study Between Pittsburgh (USA) and Essen (Germany)
  Julius M.M. Kitutu

10:10-10:30

Chapel — Coffee Break

10:30-11:30

Chapel

Keynote Lecture: "Mixture Model-Based Clustering of High-Dimensional Data"
Geoff McLachlan, University of Queensland, Brisbane
Chair: **Lawrence Hubert**

11:30-1:00

Crocker — Lunch (Cafeteria serves from 12:00-1:00)

1:00-2:00

Scripps

Contributed Session: "Applications of IRT to Testing Problems"
Chair: **Mark Reckase**

- Identifying the Test Form
  Leonardo Sotaridona, Launa Hodgson, Erica Connelly
- Empty Bubble: Which Test Form Should the Response Be Scored With?
  Furong Gao

Viewpoint

Invited Session: "Large-Scale Student Profile Scoring – Foundations and Methods"
Chair: **Lou DiBello**

- Introduction to Profile Scoring
  Jeff Douglas, Louis Roussos, Bill Stout
- Applications to Operational Tests – Next Generation TOEFL
  Lou DiBello, Jon Templin, Bob Henson
- Fast Classification and Other Operational Issues for Large Scale Testing
  Andrew Ho, Diego Zapata, Jon Templin
- Roundtable Discussion of Foundational Issues
  William Stout

Program, Thursday, June 17, 2004 – Continued

Curlew

Contributed Session: "Assessing Person Fit"
Chair: **Samantha Bouwmeester**

- Lagrange Multiplier Person Fit Tests for Polytomous IRT Models
  Anna Villa T. Dagohoy, Cees A.W. Glas
- Person-Fit Analysis for Polytomous Items in Personality Assessment
  Wilco H.M. Emons
- The Effect of Misfitting Response Vectors on Item Calibration and Test Equating
  Leonardo S. Sotaridona, Seung W. Choi, Rob R. Meijer

Marlin

Contributed Session: "Graded Response Model"
Chair: **Bruce Bloxom**

- LPE Graded Response Model, A Natural Expansion of the Logistic Positive Exponent Family of Models for Dichotomous Responses
  Fumiko Samejima
- Precision of Parameter Estimates for the Graded Item Response Model
  Cheryl D. Hill
- Ordered Category Attribute Coding Framework for Cognitive Assessment
  Tzur Karelitz

Ad Hoc Activities (Check Bulletin Board)

2:00 **End of Meeting**

6:00

Crocker — Dinner (Cafeteria serves from 6:00-7:00)

8:00-10:00 Bonfire Party

Notes

Notes

Notes