

**IMPS 2008**  
**73rd Annual Meeting of the Psychometric Society**  
**Conference Schedule**  
**Day 1: Sunday, June 29, 2008**

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**8:30am – 5:30pm Workshops**

<b>8:30am-12:30pm</b>	<b>w1: Models for Longitudinal and Incomplete Data</b> <i>Geert Molenberghs &amp; Geert Verbeke, K.U.Leuven, U.Hasselt</i>	<b>MUB 330&amp;332</b>
<b>8:30am-12:30pm</b> <b>&amp;</b> <b>1:30pm-5:30pm</b>	<b>w2: Advanced Latent Variable Mixture Modeling Using Mplus</b> <i>Bengt Muthén, UCLA</i>	<b>MUB 334&amp;336</b>
<b>1:30pm-5:30pm</b>	<b>w3: Fitting Mixed-effects Models Using the lme4 Package in R</b> <i>Douglas Bates, Univ Wisconsin Madison</i>	<b>MUB 330&amp;332</b>

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**5:30 Welcome Reception**

Cocktail and Hors d'oeuvre Reception

**Huddleston**

IMPS 2008  
73rd Annual Meeting of the Psychometric Society  
Conference Schedule  
Day 2: Monday, June 30, 2008

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**9:00am – 9:25am Welcome** **Strafford**

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**9:30am – 10:20am State-of-the-Art Lectures**

9.30am **s1: Item Factor Analysis: Where we've Been and Where we Might be Going** **Strafford**  
*Michael Edwards, Ohio State Univ*

9:30am **s2: k-Means Clustering: State-of-the-Art Methodological Developments** **Coheco, Piscataqua, Squamscott**  
*Douglas Steinley, Univ of Missouri Columbia*

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**10:30am – 11:20am State-of-the-Art Lectures**

10:30am **s3: Latent Class and Finite Mixture Models: Recent Developments** **Strafford**  
*Jeroen Vermunt, Univ Tilburg*

10:30am **s4: IRT Modeling Applied to Self-Reported Health and Quality of Life: The Patient Reported Outcomes Measurement Information System (PROMIS)** **Coheco, Piscataqua, Squamscott**  
*David Cella, Evanston Northwestern Healthcare and Northwestern Univ*

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**11:40am – 1:00am Parallel Sessions**

11:40am **s5: Mixed-Effects Models for Longitudinal Data - Invited Session** **Squamscott**  
*Shelley Blozis\*, UC Davis*

- 11:40am: The Average Rate of Change in Longitudinal Models  
*K. Kelley, Univ Notre Dame*
- 12:00pm: Parametrizations for the Negative Exponential Growth Model  
*J.R. Rausch<sup>JP</sup>, Univ Minnesota*
- 12:20pm: Modeling Nonlinear Change in Latent Variables over Time  
*J.R. Harring, Univ Maryland*
- 12:40pm: Evaluating Individual Fit in Latent Growth Curve Models  
*D.L. Coffman, Pennsylvania State Univ*

11:40am **s6: Advanced Topics in Latent Variable Modeling - invited session** **Strafford**

*Irini Moustaki\**, *London School of Economics*

11:40am: Missingness Factors in Latent Variable Modeling

*J. Kuha*, *London School of Economics*

11:55am: Goodness-of-Fit Tests and Detection of Atypical Response Patterns in Latent Variable Models Using Posterior Predictive Checks

*D. Mavridis*, *Univ Edinburgh*

12:10pm: Unimodal Hierarchical Curve Registration for Count Data: Analyzing Longitudinal Crime Patterns

*E.A. Erosheva*, *Univ Washington*

12:25pm: Prediction in Multilevel Generalized Linear Models

*A. Skrondal*, *London School of Economics*

12:40pm: Latent Variable Models with Non-Linear Effects

*I. Moustaki*, *London School of Economics*

11:40am **s7: Multidimensional Scaling** **MUB I**

11:40am: Distance Based Metric Multidimensional Scaling for Complex Data

*S.L. France<sup>jp\*</sup>*, *Rutgers Univ*

12:00pm: Investigating the Inter-Rater Reliability of Test Scores: An MDS Analysis

*A.M. Gundula*, *Univ Alberta*

12:20pm: Confirmatory Multidimensional Scaling: A Model Selection Using Bayes Factors

*K. Okada<sup>jp</sup>*, *Univ Tokyo*

CDM

12:40pm: Convergence of Skill Profiles for Cognitive Diagnosis Models and Other Multidimensional Scaling Approaches: An Empirical Illustration with a Diagnostic Mathematics Assessment

*O. Kunina<sup>jp</sup>*, *Humboldt Univ Berlin*

11:40am **s8: Response Time, Speed Tests, Speededness and IRT** **Piscataqua**

11:40am: A Comparison of Latent Trait Models for Speed Tests with Different Distributional Assumptions

*M.G.H. Jansen\**, *Univ Groningen*

12:00pm: IRT Parameter Estimation with Response Times as Collateral Information

*R. Klein Entink<sup>jp</sup>*, *Univ Twente*

12:20pm: Response Time IRT

*D. Serrano*, *Univ North Carolina Chapel Hill*

12:40pm: Evaluation of Three Test Speededness Models

*A. Wang<sup>jp</sup>*, *Univ Georgia Athens*

11:40am **s9: Goodness of FIT in SEM** **MUB II**

11:40am: Approximate Fit in SEM Without A Priori Cutpoints

*R.E. Millsap\**, *Arizona State Univ*

12:00pm: Does the Normal Theory Test Statistics Always Detect Nonlinear Terms in Structural Equation Modeling?

*A. Mooijaart*, *Univ Leiden*

12:20pm: The Power of Non-Normality Corrected Chi-Square Statistics in Structural Equation Modeling

*U.H. Olsson*, *Norwegian School of Management Uppsala*

12:40pm: A Chi-Square Goodness-of-Fit Test Statistic for the Exploratory Factor Model

*A. Satorra*, *Univ Pompeu Fabra*

11:40am **s10: Missing Data Approaches** **Coheco**

11:40am: Further Investigation of the Influence of Simple Multiple-Imputation Methods on Psychometrically Important Statistics

*van Ginkel<sup>jp</sup>, Univ Leiden*

12:00pm: Testing Multivariate Mean Collinearity With Missing Data: Potential for Enhanced Power in Group Mean Difference Analysis

*T. Raykov\*, Michigan State Univ East Lansing*

12:20pm: Test of Independence in a 2x2 Contingency Table with Nonignorable Nonresponse

*K. Takai<sup>jp</sup>, Osaka Univ*

12:40pm: Impact of Missing Data Imputation on Effect size Estimation in Categorical Data

*M. Chajewski<sup>jp</sup>, Fordham Univ*

11:40am **s11: Computer Adaptive Testing - TIDE Session<sup>1</sup>** **Huddleston**

The Impact of Item Selection Method in CAT-DIF Analysis

*U.S. Ahmed<sup>jp</sup>, Univ Illinois Urbana-Champaign*

A Method for the Comparison of Item Selection Rules in Computerized Adaptive Testing

*J.R. Barrada<sup>jp</sup>, Univ Autonoma de Barcelona*

Improving Item Pool Usage and Content-Balancing in the Measurement of Geriatric Depression

*H. Lin<sup>jp</sup>, Univ Illinois Urbana-Champaign*

Multidimensional Computer Adaptive Strategies in Psychological and Health Assessment

*J. Liu<sup>jp</sup>, ETS*

CAT Item Selection Procedures for Dichotomous Items – What Do we Lose Being Greedy?

*R.J. Swartz\*, Univ Texas Houston*

Continuous  $\alpha$ -Stratification Index for Computerized Item Selection

*C. Wang<sup>jp</sup>, Univ Illinois Urbana-Champaign*

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**2:00pm – 2:40pm Invited Lectures**

2:00pm **s12: Comparison of Methods for Handling Endogeneous Covariates in Longitudinal Data** **Strafford**

*Sophia Rabe-Hesketh, UC Berkeley*

2:00pm **s13: Linear Non-Gaussian Structural Equation Models** **Coheco, Piscataqua, Squamscott**

*Shohei Shimizu, Osaka Univ*

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**2:50pm – 3:30pm Invited Lectures**

2:50pm **s14: Cognitive Diagnostic Assessment for Education: Theory and Applications** **Strafford**

*Jacqueline Leighton, Univ Alberta*

2:50pm **s15: Latent Variable Models for Likert Attitude Data** **Coheco, Piscataqua, Squamscott**

*Kristin Javaras, Univ Wisconsin Madison*

**3:40pm – 5:00pm Parallel Sessions**

3:40pm **s16: Psychometrics in Large Scale and General Population Epidemiological Samples - Invited Session** Piscataqua

*Tim Croudace\*, Univ Cambridge*

3:40pm: Characterisation of Response to Antidepressants in a Pharmacogenetic Study

*R. Uher, King's College London*

4:00pm: Improving the Measurement of Patient Reported Outcomes in Mental Health Research Using State of the Art Latent Variable Modeling Procedures

*U. Reininghaus, Univ London*

4:20pm: Developmental Trajectories of Sex-Typed Behavior in Boys and Girls

*J. Rust, Univ Cambridge*

4:40pm: Using Psychometric Procedures in Stata to Apply Mokken, Rasch, and Logistic IRT Models to General Health Questionnaire Data in the Health and Lifestyle Survey (HALS)

*T. Croudace, Univ Cambridge*

3:40pm **s17: Advances in Item Response Theory Models for Unfolding - Invited Session** Stafford

*James Roberts\*, Georgia Institute of Technology*

3:40pm: The Beta Unfolding Model for Continuous Bounded Responses

*Y. Noel, Univ Rennes*

4:00pm: Accuracy of Alternative Parameter Estimation Methods with the Generalized Graded Unfolding Model

*J.S. Roberts, Georgia Institute of Technology*

4:20pm: A Comparison of Correspondence Analysis with Parametric and Nonparametric IRT Models for Analyzing Single-Peaked Responses

*M. Polak<sup>JP</sup>, Univ Leiden*

4:40pm: The Circumplex : An Ordinal Circular Unfolding Model for Polytomous Data

*W.H. van Schuur, Univ Groningen*

3:40pm **s18: Non-traditional Indicators for Judging Item and Test Quality - Invited Session** Squamscott

*Elena Papanastasiou\*, Univ Nicosia & EPS*

3:40pm: Item Review as a Non-Traditional Method of Item Analysis

*E.C. Papanastasiou, Univ Nicosia & EPS*

4:00pm: An Investigation of Rolling Person Fit in Identifying Examinees Who Abandon Test Effort

*S.L. Wise, James Madison Univ*

4:20pm: The Impact of Individual Validity on Item Calibration

*G.G. Kingsbury, Northwest Evaluation Association*

4:40pm: If All Tests Measure Multiple Constructs, What Do they Measure Best?

*M.D. Reckase, Michigan State Univ East Lansing*

3:40pm

**s19: Latent Constructs, Measurement, and Invariance**

**MUB I**

3:40pm: Simplified Sample Size Determination for Two-Point Repeated Measure Structured Means Modeling on a Single Latent Construct

*J. Choi, George Washington Univ*

4:00pm: Measuring the Nomothetic Meaningfulness of Operational Definitions of an Attribute

*H. Kelderman\*, Free Univ Amsterdam*

4:20pm: A Psychometric Approach to Evaluating Constructs Comparability and its Application to Measure Construct Ability Growth

*Y.Y. Kim<sup>ip</sup>, NAEP-ESSI at AIR*

4:40pm: Construct Noninvariance in Growth Modeling

*V.L. Wilson, Texas A&M Univ*

3:40pm

**s20: Graded Response Modeling**

**Coheco**

3:40pm: An Analysis of Students' Evaluations of Teaching via a Multi- group Latent Mixture Graded Response Model

*K. Nakamura, Saitama Gakuen Univ*

4:00pm: Order-Constrained Nominal Categories Model

*T. Okubo<sup>ip</sup>, NCUEE Tokyo*

4:20pm: Some Constancy in Amount of Item Information and its Loss Caused by Noise

*F. Samejima\*, Univ Tennessee*

Dual Scaling

4:40pm: A Forced-Classification Analysis of Paired-Comparison Data Subject to a Polytomous Criterion Item

*D.R. Lawrence, Rochester Institute of Technology*

3:40pm

**s21: Cognitive Diagnostic Models**

**MUB II**

3:40pm: The Generalized DINA Model

*J. de la Torre\*, Rutgers Univ*

4:00pm: Cluster Analysis for Cognitive Diagnosis: A Robustness Study in Relation to Model Misspecification

*C.Y. Chiu<sup>ip</sup>, Univ Illinois Urbana-Champaign*

4:20pm: A Skill Model for Cognitive Diagnosis Research

*I. Van Mechelen, K.U.Leuven*

4:40pm: Multicomponent Latent Trait Models for Cognitive Diagnosis

*S. Embretson, Georgia Institute of Technology*



**IMPS 2008**  
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**Day 3: Tuesday, July 1, 2008**

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**9:00am – 10:00am Keynote Lecture**

9:00am            **s24: The Modern Intuitive Statistician**            **Strafford**  
*Thomas Griffiths, UC Berkeley*

**10:10am – 11:30am Parallel Sessions**

10:10am            **s25: Hidden Markov Models - Invited Session**            **Strafford**  
*Frank Rijmen\*, ETS*

10:10am: Imposing a Factor Structure on the Latent States in Hidden Markov Models to Improve Interpretability and Model Fit

*J. Magidson, Statistical Innovations Belmont*

10:30am: Transition Models for Longitudinal Data Analysis with Applications to Studies in Social and Behavioral Sciences

*E. Ip, Wake Forrest Univ School of Medicine*

10:50am: The Latent Markov Rasch Model

*F. Pennoni, Univ Milano-Bicocca*

11:10am: Beyond HMMs: Full Information Maximum Likelihood Estimation in Limited Time for a General Class of Latent Variable Models

*F. Rijmen, ETS*

10:10am            **s26: Component Analysis in the S-O-R Framework - Invited Session**            **Squamscott**

*Kohei Adachi\*, Osaka Univ*

10:10am: Individual Differences in Three-Way Rating Scale Data and their Description by Three-Mode PCA

*T. Murakami, Chukyo Univ*

10:30am: Longitudinal Assessment of Child Behavior: Comparing Models for Three-Way Binary Data

*P. Kroonenberg, Leiden Univ*

10:50am: Mapping the S-O-R Structure that Characterize the Contextualized Personality of a Single Individual

*I. Van Mechelen, K.U.Leuven*

11:10am: Nonlinear Multivariate Analysis via Artificial Neural Network Models

*Y. Takane, McGill Univ*

10:10am            **s27: (Weighted) Test Scoring**            **Coheco**

10:10am: Estimation of Ability Using the Globally Optimal Scoring Weights

*S. Mayekawa, Tokyo Institute of Technology*

10:30am: Observing Learning Using All Answers: A Commentary on Test-Scoring Practices

*J.C. Powell, Robert Morris Univ*

10:50am: Item Response Theory for Weighted Summed Scores

*B.D. Stucky, Univ North Carolina Chapel Hill*

11:10am: An Investigation of the Robustness of the Test Characteristic Curve Mapping Method of Theta Estimation

*J. Dunn\*, Measured Progress Dover*

10:10am      **s28: Advanced Applications to Substantive Issues**      **Piscataqua**

- 10:10am: Applications of a MIRT Model to Self-Report Measures: Addressing Score Bias and DIF Due to Individual Differences in Response Style  
*D. Bolt\**, *Univ Wisconsin Madison*
- 10:30am: Constructing a Scale to Measure Phonological Awareness  
*S. Bouwmeester*, *Erasmus Univ Rotterdam*
- 10:50am: Context Indices versus Time Indices in General Linear Mixed Models  
*T.A.Walls*, *Univ Rhode Island*
- 11:10am: Examining Dynamic Factor Models with Time-Varying Parameters  
*J. Zhu<sup>ip</sup>*, *Univ Notre Dame*

10:10am      **s29: IRT Relaxed Models**      **MUB I**

- 10:10am: Parameter Estimation and Likelihood Ratio Tests for Parametric Constant Latent Odds-Ratios Models  
*D.J. Hessen\**, *Utrecht Univ*
- 10:30am: A Coarse Approach to IRT for the Evaluation of an IIO  
*R. Ligthvoet<sup>ip</sup>*, *Tilburg Univ*
- 10:50am: A Bayesian Semiparametric Item Response Model with Dirichlet Process Priors  
*K. Miyazaki*, *Univ Tokyo*
- 11:10am: Neural Test Theory: A Nonparametric Test Theory Using the Mechanism of a Self-Organizing Map  
*K. Shojima*, *National Center for University Entrance Examinations Tokyo*

10:10am      **s30: Bayesian Methods**      **MUB II**

- 10:10am: Advanced Posterior Predictive Assessment  
*J.-P. Fox\**, *Univ Twente*
- 10:30am: Efficiency of Bayesian Estimation with Gibbs Sampling in IRT Models  
*J. Ryoo<sup>ip</sup>*, *Univ Minnesota*
- 10:50am: An Investigation of IRT Models with Hierarchical Priors  
*Y. Sheng*, *Southern Illinois Univ*
- 11:10am: A Two-Parts Mixed-Effects Model for Time-Use Data: A Comparison of Maximum Likelihood and Bayesian Estimation  
*S. Xu<sup>ip</sup>*, *UC Davis*

10:10am

**s31: Issues in SEM - TIDE Session<sup>1</sup>**

**Huddleston**

- 10:10am: An Empirical Examination of Current Reporting Techniques in Applied Structural Equation Modeling Research  
*T.J. Trierweiler<sup>ip</sup>\*, Fordham Univ*
- 10:30am: Testing the Effectiveness of Fit Indices in Detecting Misspecification in Multilevel Structural Equation Models: A Monte Carlo Study  
*H.-Y. Hsu<sup>ip</sup>, Texas A&M Univ*  
Power and Sample Size in Nested Covariance Structure Models  
*K.H. Kim, Univ Pittsburg*  
Choice Between an Common Factor Approach and a Correlated Uniqueness Model to Specify Method Effects in a Confirmatory Factor Analysis of MTMM Data  
*S. Lee, SungKyunKwan Univ*  
Multi-Group Confirmatory Factor Analysis: To Evaluate Construct Comparability  
*H. Oh, ETS*  
An Empirical Bayesian Approach to Misspecified Covariance Structures  
*H. Wu<sup>ip</sup>, Ohio State Univ*  
Confirmatory Factor Analysis with Categorical Data: An Evaluation of Different Estimation Methods  
*F. Yang-Wallentin, Norwegian School of Management Uppsala*

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**11:40am – 1:00pm Parallel Sessions**

11:40am

**s32: New Statistical Models for Equating Tests - Invited Session**

**Stafford**

*Alina von Davier\*, ETS*

- 11:40am: Local Observed-Score Equating  
*W.J. van der Linden, CTB/McGraw-Hill*
- 12:00am: Mixed IRT Linking: Combining High-Stakes Tests with a Low-Stakes Anchor  
*A. Béguin, Cito*
- 12:20pm: A Continuized Loglinear Approach to the Modified Frequency Estimation Equating Method under the Common-Item Nonequivalent Groups Design  
*T. Wang, CASMA/Univ Iowa*
- 12:40pm: Alternative Kernels in the Kernel Equating Framework: Logistic and Uniform  
*Y.-H. Lee<sup>ip</sup>, ETS*

11:40am

**s33: New Developments in Person-Fit Analysis - Invited Session**

**Squamscott**

*Wilco Emons\*, Tilburg Univ*

- 11:40am: Person-Fit Analysis Using Multilevel Logistic Regression  
*J.M. Conijn, Tilburg Univ*
- 12:00am: A New Person-Fit Method for Short Tests  
*W. Kim, Measured Progress Dover*
- 12:20pm: Power and Robustness of Multilevel Latent-Trait Differential Person Functioning: A Monte Carlo Comparison with Conventional Person Misfit Statistics  
*L. Wang, Univ Cincinnati*
- 12:40pm: Detection and Diagnosis of Person Misfit from Patterns of Summed Polytomous Item Scores under Parametric and Nonparametric IRT Models  
*W.H.M. Emons, Tilburg Univ*

11:40am **s34: Measurement Issues in Longitudinal Data Modeling - Invited Session** Piscataqua

*Mark Wilson\*, UC Berkeley*

11:40am: Modeling Multiple Mechanisms for Zeroes in Longitudinal Processes

*K.E. Masyn, UC Davis*

12:00am: Measuring and Modeling Adolescent Alcohol Use

*B.J. Feldman, UC Berkeley*

12:20pm: Latent Growth Item Response Models

*M. Wilson, UC Berkeley*

12:40pm: An Application of IRT Models to Causal Inferences from a Pre- and Posttest Design

*C.H. Carstensen, IPN Univ Kiel*

11:40am **s35: Classification and Clustering** Coheco

11:40am: Total Information Analysis: Applications

*J.G. Clavel, Univ Murcia*

12:00am: Capturing the Nature of Two-Way Interactions: A Two-Mode Clustering Based Approach

*J. Hofmans<sup>ip</sup>, K.U.Leuven*

12:20pm: Binary Recursive Partitioning: Uses in Psychology

*E.C. Merkle\*, Wichita State Univ*

12:40pm: Fuzzy Clusterwise Partial Least Squares Regression

*H.W. Suk<sup>ip</sup>, McGill Univ*

11:40am **s36: Dimensionality Issues** MUB II

11:40am: Addressing the Number of Dimensions Problem in Multidimensional IRT

*M.D. Reckase\*, Michigan State Univ East Lansing*

11:55am: A Simulation Study to Detect Dimensionality Across Subgroups of Examinees

*J. Brasfield<sup>ip</sup>, Univ North Carolina Greensboro*

12:10am: An Investigation of Stout's T Procedures for Small Datasets

*R.A. Ricks<sup>ip</sup>, Southern Illinois Univ*

12:25pm: Formulation of a Dimtest-Based Effect-Size Measure (DESM) and Evaluation of DESM Estimator Bias

*M. Seo<sup>ip</sup>, Univ Illinois Urbana-Champaign*

12:40pm: Asymptotic Normality of DETECT Index and a New Significance Test for Unidimensionality

*J. Zhang, ETS*

11:40am **s37: Principal Component Analysis** MUB I

11:40am: Joint Procrustes Analysis in the S-O-R Framework

*K. Adachi, Osaka Univ*

12:00pm: On the Rank of Three-Way Arrays

*V. Choulakian, Univ Moncton*

12:20pm: Meta-Analysis for Functions of Heterogeneous Correlation Matrices

*A.R. Hafdahl, Washington Univ St. Louis*

12:40pm: Prototype Transformations of Principal Components for Developing Psychometric Scales

*T. Murakami\*, Chukyo Univ*

11:40am                    **s38: Differential Item Functioning - TIDE Session<sup>1</sup>**                    **Huddleston**

Equivalence Testing for DIF  
*J. Casabianca<sup>sp</sup>, Fordham Univ*  
A Stepwise Method for Evaluation of DIF  
*N. Khalid<sup>p</sup>, Univ Twente*  
A Modified Higher-Order DINA Model for Detecting Differential Item Functioning and  
Differential Attribute Functioning  
*F. Li<sup>p</sup>, Univ Georgia Athens*  
A Crossed Random Effects Model to Detect DIF  
*D. Magis<sup>p</sup>, K.U.Leuven*  
Anchoring Vignettes with Sample Selection  
*O. Paccagnella, Univ Padua*  
IRT Theory for DIF Cancellation  
*A.E. Wyse<sup>p</sup>, Michigan State Univ East Lansing*

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**1:10pm – 2:00pm    Graduate Students Lunch Meeting                    MUB Dinning Hall**

1:10pm                    **s39: Optimizing Your Probability of Success: Life Beyond Graduate School**

Chair: *Jimmy de la Torre\*, Rutgers Univ*  
Panelists: *Roger Millsap, Arizona State Univ (Psych Dept)*  
*Terry Ackerman, Univ North Carolina Greensboro (Ed Psych Dept)*  
*Bo Wang, ACT*  
*Jeremy Miles, RAND Corp*

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**2:10pm – 2:50pm Invited Lectures**

2:10pm                    **s40: Bayesian Graphical Modeling in Cognitive Science**                    **Strafford**  
*Michael Lee, UC Irvine*

2:10pm                    **s41: Modeling Longitudinal Trajectories Using Growth**                    **Coheco,**  
**and Growth Mixture Models**                    **Piscataqua,**  
*Ralitza Gueorguieva, Yale Univ School of Medicine*                    **Squamscott**

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**3:00pm – 4:20pm Parallel Sessions**

3:00pm                    **s42: Recent Advances in Score Linking - Invited Session**                    **Strafford**  
*Sandip Sinharay\*, ETS*

3:00pm: Score Equating: Practical Considerations and True Score Models  
*N. Dorans, ETS*

3:20pm: Missing Data Assumptions of the Non-Equivalent Groups with Anchor Test Design and  
their Implications for Test Equating  
*S. Sinharay, ETS*

3:40pm: Linking Across Forms in Vertical Scaling  
*D. Harris, ACT*

4:00pm: How to Average Equating Functions if You Must  
*P.W. Holland, ETS*

3:00pm **s43: RC(M) Association and Related Models for Multinomial Data - Invited Session** Squamscott  
*Carolyn Anderson\*, Univ Illinois Urbana Champaign*

- 3:00pm: Bayesian Analysis of the Order Restricted RC Association Model  
*M. Kateri, Univ Piraeus*
- 3:20pm: Transitional Ideal Point Models for Longitudinal Multinomial Outcomes  
*M. de Rooij, Leiden Univ*
- 3:40pm: Loglinear Models as Rasch Models with Collateral Information  
*Z. Li<sup>ip</sup>, Univ Illinois Urbana-Champaign*
- 4:00pm: Optimal Scaling of Interaction Effects in Generalized Linear Models  
*J. van Rosmalen, Erasmus Univ Rotterdam*

3:00pm **s44: Factor Analysis and Mixture Models, Bounded Data, and Closely Matched SEMs** MUB I

- 3:00pm: Performance of Relative Fit Statistics in Distinguishing Mixtures of a One-Factor Model and a Null Model for Binary Items  
*L. Dumenci, Virginia Commonwealth Univ*
- 3:20pm: Empirical Criteria for Model Selection: Linear Factor and Finite Mixture Structures  
*P.F. Halpin<sup>p</sup>, Simon Fraser Univ*
- 3:40pm: Mixed Regression Models for Doubly Bounded Metric Data  
*M. Smithson\*, Australian National Univ Canberra*
- 4:00pm: Cutoff Criteria for Comparing Closely Matched Structural Equation Models  
*L. Li, UCLA*

3:00pm **s45: Crossed Random Effects** Piscataqua

- 3:00pm: Partially Nonlinear Crossed Random-Effects Models for Longitudinal Data  
*S.A. Blozis\*, UC Davis*
- 3:20pm: Alternating Imputation Posterior Estimation of Models with Crossed Random Effects  
*S.-J. Cho<sup>ip</sup>, UC Berkeley*
- 3:40pm: Modeling Rule -Based Item Generation  
*H. Geerlings<sup>ip</sup>, Univ Twente*
- 4:00pm: The Impact of Inappropriate Modeling of Cross-Classified Data Structures on Random-Slope Models  
*L.H. Scholl<sup>ip</sup>, Univ Pittsburg*

3:00pm **s46: Latent Regression and Multiple Data Sets** MUB II

- 3:00pm: Measurement Invariance Versus Selection Invariance: Is Fair Selection Possible?  
*D. Borsboom\*, Univ Amsterdam*
- 3:20pm: Stochastic Approximation Methods for Estimation of Latent Regression Item Response Models  
*M. von Davier, ETS*
- 3:40pm: Simultaneous Analysis of Coupled Data blocks that Are Subject to Different Amounts of Noise  
*T. Wilderjans<sup>ip</sup>, K.U.Leuven*
- 4:00pm: Regularized Multiple-Set Canonical Correlation Analysis  
*Y. Takane, McGill Univ*

3:00pm

**s47: Mediation Effects in SEM**

**Cochecho**

- 3:00pm: Statistical Considerations in a Counterfactual Theory of Causation for Non-Experimental Studies with Implications for Structural Equation Modeling  
*D. Kaplan\**, *Univ Wisconsin Madison*
- 3:20pm: Bias Reduction vs. Precision of Estimates in Mediation Analysis  
*P.E. Shrout*, *New York Univ*
- 3:40pm: Covariance Among Regression Coefficients Estimates in a Single Mediator Model  
*D. Tofight<sup>ip</sup>*, *Arizona State Univ*
- 4:00pm: Testing and Contrasting Mediation or Indirect Effects in SEM: An Analytic Approach and its Implementation  
*Y.-F. Yung*, *SAS Institute*

3:00pm

**s48: Cognitive Diagnostic Modeling - TIDE Session<sup>1</sup>**

**Huddleston**

- A Comparison of Rule Space and Item Response Models in Predicting Item and Test Level Examinee Performance  
*E. Dogan\**, *American Institutes for Research*
- Test Assembly for Cognitive Diagnosis Models Using Attribute-Level Information  
*M. Finkelman*, *Harvard Univ*
- Taking up the Challenge to Use a CDM to Improve Q-matrices: An Illustration  
*N. Loye<sup>ip</sup>*, *Univ Montreal*
- New Classification Methods in the Attribution Hierarchy Model  
*M.-M. Mao*, *Jiang Xi Normal Univ*
- Assembling Parallel Forms alongside a Cognitive Diagnosis Model  
*A. Verschoor*, *Cito*
- Sensitivity of Parameter Recovery and Classification Accuracy for Cognitive Diagnosis Models to Prior Specification under a Bayesian Estimation Framework  
*T. Zhang<sup>ip</sup>*, *Univ Maryland*

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**4:30pm – 5:10pm Dissertation Prize Lecture**

4:30pm

**s49: Nonparametric Inference in Nonlinear Principal Components Analysis: Exploration and Beyond**

**Strafford**

*Marielle Linting*, *Leiden Univ*

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**5:10pm – 6:00pm Poster Session with Reception**

5:10pm

**s50: List of Posters (all presenters are eligible for best poster prize)**

**Huddleston**

- Measuring Educational Values of Korean Americans Based on Confucian Five Moral Codes  
*G. Bahn*, *Loyola Univ*
- Regression in Cross-Cultural Attitude Data that Features Non-Constant Variances  
*J. Cardinale*, *City Univ New York*
- Effects of Raw-to-Scale Score Conversions on Equating: The Choice of Score Scale  
*S.-W. Chang*, *National Taiwan Normal Univ*
- The Latent Trait Estimation for the Outliers in Computerized Adaptive Testing Using the Weighted Maximum a Posteriori Estimation  
*P.H. Chen*, *National Taiwan Normal Univ*
- 3-Parameter Logistic Graded Response Model  
*Q. Chen*, *Jiangxi Normal Univ*

- What Will Happen if Ignoring a Level of Nesting Structure in Multilevel Growth Mixture Modeling?  
*Q. Chen, Texas A&M Univ*
- The Impact of Person-Misfit on Scaling and Modeling Students' Growth: Investigating a Bayesian Approach in the Context of a Testlet Model  
*H.-J. Choi, Univ of Georgia Athens*
- The Effect of Mixed Item Domains on Aptitude Measurement and Response Time  
*R.C. Daniel, Georgia Institute of Technology*
- Estimating Item Parameters Adaptive in CAT under the 2PLM  
*S. Ding, Jiangxi Normal Univ*
- Advances in the Identification of Sexual Offender Subtypes through Finite Mixture Modeling: Child and Adolescent Victims  
*F.D. Fargo, Utah State Univ*
- Generation of Direct Graphs and Chain Graphs by Using SEM  
*K. Fukunaka, Waseda Univ*
- Power Differences in Testing Fixed and Random Effects  
*R. Garcia, Univ of Connecticut*
- Criterion Dynamism and Growth Mixture Modeling: Exploring Selection Assessment Utility by Identifying Latent Classes of Performance Change over Time  
*D. Grelle, PreVisor and Univ of Georgia Athens*
- Science Motivation and Epistemological Beliefs of South Korean High School Students Who Aspire Toward Science  
*M. Heo, Univ of Georgia Athens*
- Comparison among Major Value-Added Models: A General Model Approach  
*Y. Hong, Rutgers Univ*
- An Examination and Interpretation of the Factor Structure and Validity of the Suicide Prevention Screening Guidelines  
*D. Horton, John Jay College of Criminal Justice*
- Variance of Successive Difference in Stationary Time Series with Autocorrelation: A Temporal Instability Parameter  
*S. Jahng, Univ of Missouri Columbia*
- Development of a Shortened Form of the MMPI-2 using Full-Information Item Factor Analysis Method  
*Song Jung, SungKyunKwan Univ*
- Improving Efficiency of Cognitive Diagnosis by Considering Incorrect Responses in Multiple-Choice Items: A Computerized Adaptive Testing Perspective  
*K. Kato, Univ of Minnesota*
- A Paired Comparison Model Including Individual Difference in Utility and Social Desirability  
*I. Kawahashi, Waseda Univ*
- Problems of and Suggestions for Multi-Group Confirmatory Factor Analysis in Structural Equation Modeling  
*I.-H. Kim, SungKyunKwan Univ*
- A Comparative Study of Traditional and Bootstrap Methods for Tests of Mediation  
*K.A. Kupzyk, Univ of Nebraska*
- A Monte Carlo Study of Parameter Estimation in IRT  
*K. Kyungtae, SungKyunKwan Univ*
- Using Dynamic Factor Analysis to Assess Within-Person Reliability in Longitudinal Designs  
*S.P. Lane, New York Univ*
- Optimizing the Number of Items for each Module in Multi-Stage Testing  
*J. Lee, SungKyunKwan Univ*
- An Alternative Way to Test Interaction Effects Between Dummy Variables  
*Y.-H. Lee, Texas A&M Univ*
- Robust Procedures for SEM with Missing Data  
*Z. Lu, Univ Notre Dame*
- Application of Profile Analysis Using Multidimensional Scaling (PAMS) to a Battery of Emotional Intelligence Tests

- H.H. McIntyre, Georgia Institute of Technology*  
Latent Effects Factor Model
- Y. Miyazaki, Virginia Polytechnic Institute and State Univ*  
Building a Statistical Database of NCT Test Items
- T. Otsu, NCUEE, Tokyo*  
Deriving Optimal Neuroimaging Models Using Bayesian Model Averaging
- L. Price, Texas State Univ*  
On the Effects of Measurement Error on Statistical Inferences Based on  
Heteroscedasticity-Consistent Covariance Matrices
- P.J. Rosopa, Clemson Univ*  
Parameter Recovery of an Explanatory Modified Effort-Moderated Item Response Model
- J.C. Setzer, James Madison Univ*  
A New IRT Model to Estimate Differential Latent Change Trajectories in a Multi-Stage,  
Longitudinal Assessment
- H.S. Shim, Georgia Institute of Technology*  
The Investigation of Impact of Scale-Transformation on Cross-Lingual Linking
- C.-Y. Shyu, National Univ Tainan*  
Non-Graphical Factor Extraction: Application to the Adolescent Smoking Consequences  
Questionnaire (ASCQ)
- J. Song, Univ Rhode Island*  
Robust Interdisciplinary Measurement and Analysis of Wellbeing.  
Some Methodological Issues and Application
- A. Tala, Warsaw Univ*  
Construction and Evaluation in Practice: Factor Analysis Versus Item Response Theory
- J.C. ten Holt, Univ Groningen*  
Random Utility Models for Approval Voting
- R.C. Tsai, National Taiwan Normal Univ*  
Generalized Graded Unfolding Model with Manifest Variables
- S. Usami, Univ Tokyo*  
Multilevel Analysis of Daily Process Data: Immediate and Prolonged Cardiac Effects  
of Momentary Assessed Stressful Events and Worry Episodes
- R. van der Leeden, Leiden Univ*  
Modeling the Error Covariance Structure in Latent Growth Models
- Chunxin Wang, Univ Iowa*  
Linking People's Perceptions and Physical Components of Sidewalk Environments  
via Rough Sets Theory
- W. Wang, Wonkwang Univ*  
Factor Analytic Models and Cognitive Diagnostic Models: How Comparable Are They?  
- A Comparison of R-Rum and Compensatory MIRT Model with Respect to  
Cognitive Feedback
- Y. Wang, Univ North Carolina Greensboro*  
Applying Bootstrap and Jackknife to Estimate Variability of Variance Components  
in Generalizability Theory
- S. Zhang, Univ Iowa*  
TAT Pre-Referral Intervention for Students with Learning Difficulties & Behavioral Problems
- Y.-P. Zhang, National Pingtung Univ of Education*  
Modeling Situation Interpretations and Cognitive Trajectories in a Clinical Problem Solving Process  
with Bayesian Network
- Z. Zhang, McGill Univ*

**Day 3: Tuesday, July 1, 2008**

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**6:30pm – 11:30pm Excursion – Isle of Shoals Harbor Cruise**

6:30pm	Bus departs from UNH, Durham, NH
7:00pm	Bus arrives at Boat Dock, Portsmouth, NH
11:00pm	Bus departs from Boat Dock, Portsmouth, NH
11:30pm	Bus arrives at UNH, Durham, NH

**IMPS 2008**  
**73rd Annual Meeting of the Psychometric Society**  
**Conference Schedule**  
**Day 4: Wednesday, July 2, 2008**

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**9:00pm – 10:00pm keynote lecture**

9:00pm      **s51: Fixed and Random Effects Communicating to Each Other: Examples from Dyadic Research**      **Strafford**  
*David Kenny, Univ Connecticut*

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**10:10am – 11:30am Parallel Sessions**

10:10am      **s52: Fitting Dynamic Models: Recent Progress and Unresolved Issues - Invited Session**      **Strafford**  
*Sy-Miin Chow\*, Univ North Carolina Chapel Hill*

10:10am: Examining Individual Shifts in Learning Dynamics in Group-based State-Space Models  
*S.-M. Chow, Univ North Carolina Chapel Hill*

10:30am: A Sandwich-Type Standard Error Estimator for Vector Autoregressive Moving Average Models  
*G. Zhang, Univ Notre Dame*

10:50am: How to Study Regime-Switches in Affect  
*E.L. Hamaker, Utrecht Univ*

11:10am: A Metropolis-Hastings Robbins-Monro Algorithm for Maximum Likelihood Estimation in Latent Variable Models  
*L. Cai<sup>jp</sup>, Univ North Carolina Chapel Hill*

10:10am      **s53: Item Response Theory with Nonnormal Latent Distributions - Invited Session**      **Squamscott**  
*Carol Woods\*, Washington Univ St. Louis*

10:10am: Ramsay-Curve Differential Item Functioning  
*C. Woods, Washington Univ St. Louis*

10:30am: On Sensitivity of the Latent Ability Distribution  
*X. Xu, ETS*

10:50am: Davidian-Curve Item Response Theory and F-Information of Item Parameters  
*N. Lin, Washington Univ St. Louis*

11:10am Discussion  
*D. Thissen, Univ North Carolina Chapel Hill*

10:10am      **s54: SEM/CFA and MANOVA**      **Wild Cat Den**

10:10am: An Application of Bayesian Confirmatory Factor Analysis to Behavioral Genetics  
*K. Shigemasu\*, Univ Tokyo*

10:30am: Comparison of MANOVA and a Structural Equation Modeling Method for Comparing Observed Score Group Means on Multiple Dependent Variables: A Simulation Study  
*H. Finch, Ball State Univ*

10:50am: The Paired Comparison Method Utilizing a Multi Sample Analysis in SEM for the Case of Many Objects  
*N. Iwama, Waseda Univ*

11:10am: The Regularized Reduced-Rank Growth Curve Models (GMANOVA)  
*K. Jung<sup>jp</sup>, McGill Univ*

10:10am      **s55: Factor Analysis**      **Cocheco**

- 10:10am: Semi-Exploratory Factor Analysis and Associated Software  
*B. Goodrich<sup>pp\*</sup>, Harvard Univ*
- 10:30am: A Dynamical Model of General Intelligence: The Positive Manifold of Intelligence by Mutualism  
*K.J. Kan, Univ Amsterdam*
- 10:50am: Factor Analytic Modeling of Ability Differentiation  
*D. Molenaar<sup>pp</sup>, Univ Amsterdam*
- 11:10am: Simultaneous Parameter Estimation in Exploratory Factor Analysis by Weighted Least Squares  
*S. Unkel<sup>pp</sup>, Open University Milton Keynes*

10:10am      **s56: Dual Scaling**      **Piscataqua**

- 10:10am: Total Information Analysis: An Extension of Dual Scaling  
*S. Nishisato\*, Univ Toronto*
- 10:30am: Thinking Outside the Diagonal: An Exploratory Framework for Evaluating Agreement in Rectangular Contingency Matrices  
*T. Karelitz, Tufts Univ PACE Center*
- 10:50am: Nonsymmetric Correspondence Analysis and Simpson's paradox  
*Sunho Jung<sup>jp</sup>, McGill Univ*
- 11:10am: Simultaneous Two-Way Clustering of Multiple Correspondence Analysis  
*H. Hwang, Univ Texas Dallas*

10:10am      **s57: Multilevel Modeling Approaches**      **MUB I**

- 10:10am: Multilevel Model Specification Tests Using the Generalized Methods of Moment (GMM) Estimation Techniques  
*J.S. Kim\*, Univ Wisconsin Madison*
- 10:30am: Parameter Estimation with Small Sample Size: A Higher-Order IRT Approach  
*Y. Hong, Rutgers Univ*
- 10:50am: Comparing the Efficiency of Robust Estimators and Multilevel Models on Analyzing Multilevel Data - A Monte Carlo Study  
*J.-Y. Wu, Texas A&M Univ*
- 11:10am: Multilevel IRT Model and Multilevel SEM in Estimating the Effect of Multilevel Covariates on a Latent Trait Measured by Dichotomous Items  
*F. Ye, Univ Pittsburg*

10:10am      **s58: Local Dependence Modeling and Interaction**      **MUB II**

- 10:10am: Model Selection in Copula IRT Models for Local Item Dependencies  
*J. Braeken<sup>pp</sup>, K.U.Leuven*
- 10:30am: Detecting Overestimation of Slope Parameter under Surface Local Dependence  
*M. Sano, Prometric Japan Tokyo*  
SVM
- 10:50am: Support Vector Machine for the Dataset Including Multivariate Discrete Variables  
*T. Umehara, Osaka Univ*  
Application CFA
- 11:10am: Assessing the Underlying Structure of Communication and Data Gathering Skills on a Sample of SMLE Step 2 CS Cases Using Confirmatory Factor Analysis  
*N. Kahraman\*, National Board of Medical Examiners Philadelphia*

10:10am      **s59: Issues in IRT - TIDE Session<sup>1</sup>**      **Huddleston**

10:10am: Principles for Specification and Parameterization of Ideal Point Item Response Models  
*J. Verkuilen<sup>ip\*</sup>, CUNY*

10:30am: Identifying Item Type on Mixed Unfolding/Monotone Instruments  
*N. Yang, Univ South Carolina Columbia*

Information Functions for Transformed Scores  
*W.-C. Lee, Univ Iowa*

A Comparison of Rasch Model Parameter Estimates between PARDUX and WINSTEPS  
*L. Shu, CTB/McGraw-Hill*

Alternative IRT Models: Incorporating Guessing Appropriately  
*J. Smith, Univ South Carolina Columbia*

Application of a Testlet Effect Model to Performance Assessments with Multiple Scoring Rubric  
*L. Yao, CTB/McGraw-Hill*

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**11:40am – 1:00pm Parallel Sessions**

11:40am      **s60: Advances in Psychometric Modeling of Large Educational Survey Data - Invited Session**      **Strafford**

*Matthias von Davier\*, ETS*

11:40am: Overview: Psychometric Modeling of Educational Survey Data  
*M. von Davier, ETS*

11:55am: Current Operational Analyses of Large Scale Survey Data and Publicly Available Databases  
*E.J. Gonzalez, IEA Data Processing Center Hamburg*

12:10pm: Random Effects Models for Large Scale Assessment  
*D. Li, ETS*

12:25pm: Cognitive Diagnostic Approaches to Analyzing Performance in the TIMSS (1995) Advanced Mathematics Test  
*M. Dean, International Baccalaureate New York*

12:40pm: NAEP Reading Data Analysis Using GDM framework  
*X. Xu, ETS*

12:55pm: Discussion  
*K. Yamamoto, ETS*

11:40am      **s61: Response Time and Response Accuracy - Invited Session**      **Squamscott**

*Günter Maris\*, CITO & Univ Amsterdam*

11:40am: Scoring Rules Based on Response Time and Quality  
*G. Maris, CITO & Univ Amsterdam*

12:00pm: Using RT in Adaptive Testing  
*H. van der Maas, Univ Amsterdam*

12:20pm: Some Disturbing Facts about the Relation Between IRT and Response Times  
*F. Tuerlinckx, K.U.Leuven*

12:40pm: Conceptual Issues in Response-Time Modeling  
*W. van der Linden, CTB/McGraw-Hill*

- 11:40am      **s62: Diagnostic Statistics**      **Cocheco**
- 11:40am: Constructing Chi-Square Goodness-Of-Fit Tests for Multinomial Data that Are More Powerful than Pearson's  $\chi^2$   
*A. Maydeu-Olivares\**, *Univ Barcelona*
- 12:00pm: Multidimensional Item Response Theory Models Integrating Additional Inattention, Pseudo-Guessing, and Discrimination Person Parameters  
*G. Raïche*, *Univ Quebec Montreal*
- 12:20pm: A New Reliability Coefficient Based on Latent Class Analysis  
*L.A. van der Ark*, *Tilburg Univ*
- 12:40pm: Detecting Various Types of Outlying Behavior in Questionnaire Data  
*W.P. Zijlstra<sup>jp</sup>*, *Tilburg Univ*
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- 11:40am      **s63: Dynamic (Mixture) Modeling**      **MUB I**
- 11:40am: Parallel-Process Discrete-Time Survival Modeling Via Latent Transition Analysis  
*P.S. Malone\**, *Univ South Carolina Columbia*
- 12:00pm: Misspecifications in Growth Mixture Modeling  
*R. Sun<sup>jp</sup>*, *Texas A&M Univ*
- 12:20pm: Using State-Space Models with Regime Switching to Represent the Dynamics of Facial EMG Data  
*M. Yang<sup>jp</sup>*, *Notre Dame Univ*
- 12:40pm: Interpret and Test the Latent Classes Transition of the Mixed Latent Markov Models  
*H.-T. Yu<sup>jp</sup>*, *Leiden Univ*
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- 11:40am      **s64: Error Variance and Confidence Intervals**      **Piscataqua**
- 11:40am: Implementation of a Supplemented EM Algorithm to Compute the Error Covariance Matrix for ML Parameter Estimates in Item Response Theory Models  
*D. Thissen\**, *Univ North Carolina Chapel Hill*
- 12:00pm: Interval Estimations Based on Normalizing Transformations by Two Approaches  
*Y. Konya*, *Osaka Univ*
- 12:20pm: On the Finite Population Correction in Multilevel Modeling: Implications for Nesting Within Geographic Region  
*J.A. Bovaird*, *Univ Nebraska Lincoln*
- 12:40pm: A Comparison of Confidence Intervals and Tolerance Intervals for Stratified Domains under the Compound Binomial Model  
*B. Brossman<sup>jp</sup>*, *Univ Iowa*
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- 11:40am      **s65: Advanced Modeling and Data Approaches**      **MUB II**
- 11:40am: Model Identification and Computer Algebra  
*K.A. Bollen\**, *Univ North Carolina Chapel Hill*
- 12:00pm: Locating Person Points on the Circumplex  
*M.W. Browne*, *Ohio State Univ Columbus*
- 12:20pm: Penalized Boosting Algorithm for Mislabeled Data  
*K. Hayashi*, *Osaka Univ*
- 12:40pm: Factor Analysis of Ordinal Data: FIML vs. DWLS  
*K. Jöreskog*, *Norwegian School of Management Oslo*

11:40am      **s66: Proficiency Based Classification (Accuracy) and Standard Setting - TIDE Session<sup>1</sup>**      **Huddleston**

11:40am: A Validity Study Comparing the Results of Skills Diagnosis and Standard Setting  
*L. Roussos\**, *Measured Progress Dover*

12:00pm: Classification Accuracy and Consistency under the IRT Framework and Optimal Cut-Score Setting

*Y. Cheng<sup>jp</sup>*, *Univ Illinois Urbana-Champaign*

Using Parametric Assumptions to Frame Trends in Categorical Proficiency Data under the U.S. No Child Left Behind Act

*A. Ho*, *Univ Iowa*

An Alternative Method for IRT Classification Accuracy Estimation

*M. Lei*, *College Board New York*

Item Exposure in Computerized Classification Testing

*N.A. Thompson<sup>jp</sup>*, *Prometric St. Paul*

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**2:00pm – 2:50pm State-of-the-Art Lectures**

2:00pm      **s67: Beyond MCMC**      **Strafford**  
*Brian Junker*, *Carnegie Mellon Univ*

2:00pm      **s68: Principal Component Analysis and Generalizations**      **Cochecho, Piscataqua, Squamscott**  
*Marieke Timmerman*, *Univ Groningen*

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**3:00pm – 4:00pm Session Past Presidents**

3:00pm      **s69: Past Presidents**      **Strafford**

Chair: *Willem Heiser*, *Leiden Univ*

Written contributions from: Roger Shepard (73-74), Douglas Carroll (75-76), Duncan Luce (76-77), Roderick McDonald (85-86), Jan de Leeuw (87-88), Bengt Muthén (88-89), Robert Mislevy (93-94), Shizuhiko Nishisato (95-96), Fumiko Samejima (96-97), Wim van der Linden (99-00), Susan Embretson (98-99), Willem Heiser (03-04), Roger Millsap (06-07)

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**4:10pm – 5:10pm Presidential Address**

4:10pm      **s70: Random Item IRT Models**      **Strafford**  
*Paul De Boeck*, *K.U.Leuven*

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**5:10pm – 6:00pm Business Meeting**      **Strafford**

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**6:30pm Conference Dinner**

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<sup>jp</sup> eligible for best junior oral presentation prize

\*chair of the session

<sup>1</sup>A TIDE-session is an oral sessions with shorter presentations than in regular sessions, and with more presentations than the standard four. They are meant to be of the thematic interactive discussion type, and are therefore deemed TIDE. Some of them are introduced with a lead presentation. One or two senior psychometricians with expertise on the topic will attend the session in order to stimulate the discussion.