



Monday, 20 July

9am **Short Course #1: Part I**
B145, The Commons

Introduction to AI-based Automated Item Generation and Automated Scoring
» Dr. Alina von Davier (Duolingo), Dr. Duanli Yan (Measurement Incorporated)

9am **Short Course #2: Part I**
B146, The Commons

Psychometric Network Modeling
» Professor Sacha Epskamp (National University of Singapore), Professor Adela Isvoranu (National University of Singapore)

9am **Short Course #3**
B147, The Commons

Data-Driven Learning of Attribute Hierarchy and Q-Matrix for Cognitive Diagnostic Models
» Professor Yinghan Chen (University of Nevada, Reno), Dr. Xue Wang (Northeast Normal University), Professor Shiyu Wang (University of Georgia)

12:30pm **Lunch (on your own)**
Local establishments

1:30pm **Short Course #1: Part II**
B145, The Commons

Introduction to AI-based Automated Item Generation and Automated Scoring
» Dr. Alina von Davier (Duolingo), Dr. Duanli Yan (Measurement Incorporated)

1:30pm **Short Course #2: Part II**
B146, The Commons

Psychometric Network Modeling
» Professor Sacha Epskamp (National University of Singapore), Professor Adela Isvoranu (National University of Singapore)

2pm **Short Course #4**
B147, The Commons

Analyzing Item Response Data Using a Latent Space Modeling Approach in R
» Professor Minjeong Jeon (University of California, Los Angeles)

Tuesday, 21 July

9am **Welcome Remarks**
Auditorium, Baekyang Hall
Chaired by: Prof. Steven Culpepper and Dr. Ji Hoon Ryoo

9:15am **Keynote Speaker**
Auditorium, Baekyang Hall
Chaired by: Prof. Steven Culpepper

Global Psychometric Challenges in Educational and Workforce Assessment: Policy, Technical, and Population Perspectives
» Professor Michael T. Nettles (Morgan State University)

10:15am **Refreshment Break**

10:30am **Invited Speaker**
Auditorium, Baekyang Hall
Chaired by: Prof. Yunxiao Chen



Continued from **Tuesday, 21 July**

Statistical Analysis of Large-scale Item Response Data under Measurement Non-invariance

» Professor Jing Ouyang (University of Hong Kong)

10:30am

Invited Speaker

Grand Ballroom, The Commons

Chaired by: Dr. Ji Hoon Ryoo

How is the Virtuous Cycle of Knowledge Achieved Across the Spectrum of Quantitative Research

» Professor Sang-Jin Kang (Yonsei University)

11:15am

Lunch (on your own)

Local establishments

12:45pm

Symposium: Rethinking Estimation: New Perspectives for Measurement, Modeling, and Inference

Auditorium, Baekyang Hall

Chaired by: Prof. Jolynn Pek

12:45pm

Scoring and Reliability with Omega from Estimated Measurement Models

» Prof. Alberto Maydeu-Olivares (University of South Carolina), Prof. [Jolynn Pek](#) (The Ohio State University), Dr. Yang Liu (University of Maryland), Prof. Terrence Jorgensen (University of Amsterdam)

1pm

Equation-by-Equation Estimation of SEMs

» Prof. [Alberto Maydeu-Olivares](#) (University of South Carolina), Prof. Yves Rosseel (Ghent University)

1:15pm

Model Identification in CFA

» [Dr. Cathy \(Xijuan\) Zhang](#) (York University), Dr. Hao Wu (Vanderbilt University), Dr. Victoria Savalei (University of British Columbia), Mr. Lianjie Shi (University of British Columbia)

1:30pm

Classification Trees for Method Selection in Tetrachoric Correlation Estimation

» Ms. Jeongwon Choi (Vanderbilt University), [Dr. Hao Wu](#) (Vanderbilt University)

1:45pm

Two-stage Estimation of Latent Variable Regression Models: A General, Root-N Consistent Solution

» [Dr. Yang Liu](#) (University of Maryland, College Park), Ms. Xiaohui Luo (Beijing Normal University), Mr. Jieyuan Dong (Beijing Normal University), Ms. Youjin Sung (University of Maryland, College Park), Dr. Yueqin Hu (Beijing Normal University), Prof. Hongyun Liu (Beijing Normal University), Dr. Daniel Bauer (University of North Carolina at Chapel Hill)

12:45pm

Symposium: Culturally Responsive Considerations for Scale Development

B125, Ballroom, The Commons

Chaired by: Dr. Tamara Bertrand Jones

12:45pm

Culturally Responsive Considerations for Scale Development

» [Dr. Cherie Avent](#) (University of Illinois Urbana-Champaign), Dr. Aixa Marchand (University of Illinois Urbana-Champaign)

1pm

Culturally Responsive Considerations for Scale Development

» [Dr. Courtney Stone](#) (University of Illinois Urbana-Champaign)

1:15pm

Developing the Culturally Responsive Advising Scale-Black Americans

» [Dr. Tamara Bertrand Jones](#) (University of Illinois Urbana-Champaign), Dr. Helen Neville (University of Illinois Urbana-Champaign), Dr. Nia Mitchell (University of Illinois Urbana-Champaign)

1:30pm

Culturally Responsive Considerations for Scale Development

» [Dr. Tamara Bertrand Jones](#) (University of Illinois Urbana-Champaign), Dr. Cherie Avent (University of Illinois Urbana-Champaign), Dr. Aixa Marchand (University of Illinois Urbana-Champaign), Dr. Nia Mitchell (University of Illinois Urbana-Champaign), Dr. Courtney Stone (University of Illinois Urbana-Champaign), Dr. Helen Neville (University of Illinois Urbana-Champaign), Dr. Malaika McKee (University of Illinois Urbana-Champaign)



Continued from **Tuesday, 21 July**

12:45pm **Symposium: Innovations for Complex Data**
B126, Ballroom, The Commons
 Chaired by: Dr. Shiyu Wang

12:45pm **Teamwork Cognitive Diagnostic Modeling for Dyadic Agreement-Accuracy Responses**
 » Prof. Peida Zhan (Zhejiang Normal University), Ms. Gaohong Chu (Zhejiang Normal University), Mr. Qipeng Chen (University of Alabama)

1pm **A Bayesian Framework for Q-Matrix Estimation in Cognitive Diagnostic Models Leveraging Multimodal Assessment Data**
 » Dr. Xue Wang (Northeast Normal University), Ms. Yaxuan Yang (University of Georgia), Mr. Cheng Tang (University of Georgia), Dr. Yinghan Chen (University of Nevada), Dr. Shiyu Wang (University of Georgia)

1:15pm **General Fluency Model Incorporating Response Times within the Cognitive Diagnostic Model**
 » Ms. Nohwon Park (University of Georgia), Dr. Yu Bao (James Madison University), Dr. Zichu Liu (Georgia State University), Dr. Shiyu Wang (University of Georgia)

1:30pm **Sequential Cognitive Diagnostic Modeling for Functional Assessment in Rehabilitation**
 » Dr. Zichu Liu (Georgia State University), Dr. Houping Xiao (Georgia State University), Dr. Shiyu Wang (University of Georgia), Dr. Yusen Xia (Georgia State University), Mx. Pat Barrett (Shepherd Center), Dr. Raeda Anderson (Shepherd Center)

1:45pm **Bayesian Zero-Inflated Unipolar Mixture IRT Model with Covariate-Dependent Latent Classification**
 » Mr. Nasser Al Ali (University of Nevada), Dr. Yinghan Chen (University of Nevada), Dr. Mihye Ahn (University of Nevada)

12:45pm **AI, IRT, and Raters**
B145, The Commons
 Chaired by: Prof. Eun Hye Ham

12:45pm **From Text to Parameters: Evaluating Semantic Similarity for Cross-Instrument IRT Linking Across Depression Measures**
 » Ms. Savira Nadela (Stanford University), Ms. Hansol Lee (Stanford University), Ms. Nishka Jain (Stanford University), Ms. Xingyi Zhang (Stanford University), Prof. Benjamin Domingue (Stanford University)

1pm **Latency-Response Theory Model Evaluating LLM via Response Accuracy and Chain-of-Thought Length**
 » Mr. Zhiyu Xu (Columbia University), Dr. Jia Liu (Columbia University), Prof. Yixin Wang (University of Michigan, Ann Arbor), Dr. Yuqi Gu (Columbia University)

1:15pm **Item Parameter Prediction via ICC-Informed Deep Learning and LLM Features**
 » Mr. Sandeep H (ETS)

1:30pm **Developmental Sensitivity vs. Drift Resistance: Comparing Teacher and LLM Scoring in Longitudinal Constructed-Response Assessment**
 » Prof. Eun Hye Ham (Kongju National University), Mrs. Yun-Kyung Kim (University of California, Los Angeles)

1:45pm **Rater Disagreement in Essay Scoring: Exploring Linguistic and Semantic Predictors**
 » Mr. Hoon Kim (Korea Institute for Curriculum and Evaluation), Dr. MINHO KWAK (Korean Institute for Curriculum and Evaluation)

12:45pm **Symposium: Measuring Human Connections in the AI Era**
B146, The Commons
 Chaired by: Dr. Ji Hoon Ryoo

12:45pm **Classical Test Theory**
B147, The Commons
 Chaired by: Prof. Andries van der Ark

12:45pm **A Review of Post-Selection Inference Methods for Multiple Linear Regression**
 » Ms. Zhiwei Dou (KU Leuven), Mr. Enrico Guarino (KU Leuven), Prof. Ginette Lafit (KU Leuven)



Continued from Tuesday, 21 July

1pm **Longitudinal Trends in Item Difficulty and Discrimination on NBCE Examinations Across Pre-COVID, COVID, and AI-Prevalent Periods**

» [Dr. Igor Himelfarb](#) (National Board of Chiropractic Examiners), [Dr. Nai-En Tang](#) (National Board of Chiropractic Examiners), [Dr. Bowen Wang](#) (National Board of Chiropractic Examiners)

1:15pm **Comparing Discrete and Continuous Norming Approaches: A Within-Battery Modeling Study of the SB6/18**

» [Prof. Pawel Jurek](#) (University of Gdansk), [Dr. Michal Olech](#) (Medical University of Gdansk), [Dr. Bartosz Radtke](#) (Laboratory of Psychological and Educational Tests), [Dr. Urszula Sajewicz-Radtke](#) (Laboratory of Psychological and Educational Tests)

1:30pm **Statistical Foundations for Estimating Conditional and Score-Related Standard Errors of Measurement**

» [Dr. Wilco Emons](#) (Tilburg University)

1:45pm **Bias and Precision in True-Score Estimation**

» [Prof. Andries van der Ark](#) (University of Amsterdam), [Dr. Wilco Emons](#) (Tilburg University), [Prof. Klaas Sijtsma](#) (Tilburg University)

12:45pm **Symposium: Advances in Latent Variable Models for Complex Data**

Room 101, School of Management

Chaired by: [Prof. Irini Moustaki](#)

12:45pm **Sparsity in the PARAFAC Model for Three-Way Tensor Data**

» [Prof. Paolo Giordani](#) (Sapienza University of Rome), [Prof. Henk A.L. Kiers](#) (University of Groningen), [Dr. Ionel Prunila](#) (Sapienza University of Rome)

1pm **Inference for Dynamic Latent Variable Model via Pairwise Likelihoods**

» [Prof. Silvia Bianconcini](#) (University of Bologna), [Prof. Silvia Cagnone](#) (University of Bologna), [Dr. Lucia Guastadisegni](#) (University Carlos III of Madrid)

1:15pm **Dynamic Scheduling Strategies Revealed through Markov-Switching Preference Patterns**

» [Prof. Sabrina Giordano](#) (University of Calabria), [Prof. Alessio Farcomeni](#) (University of Tor Vergata Rome), [Prof. Antonello Maruotti](#) (Khalifa University), [Dr. Alfonso Russo](#) (University of Calabria)

1:30pm **drclust: An R Package for Simultaneous Clustering and Dimensionality Reduction**

» [Dr. Ionel Prunila](#) (Sapienza University of Rome), [Prof. Maurizio Vichi](#) (Sapienza University of Rome)

1:45pm **Model-Based Unsupervised Classification and Reduction of Three-Way Ordinal Data**

» [Prof. Roberto Rocci](#) (Sapienza University of Rome), [Prof. Monia Ranalli](#) (Sapienza University of Rome)

12:45pm **Symposium: Advancing Reporting Standards for Simulation Studies and Methodological Research**

Room 102, School of Management

Chaired by: [Mr. František Bartoš](#)

12:45pm **Good Scientific Practices for Simulation Studies**

» [Dr. Richard Feinberg](#) (National Board of Medical Examiners), [Dr. Carolin Strobl](#) (University of Zurich)

1pm **Living Synthetic Benchmarks: A Neutral and Cumulative Framework for Simulation Studies**

» [Mr. František Bartoš](#) (University of Amsterdam), [Dr. Samuel Pawel](#) (University of Zurich), [Mr. Björn S. Siepe](#) (University of Marburg)

1:15pm **Multi-Method Specification Curves for Presenting Simulation Results**

» [Mr. David Kronthaler](#) (University of Zurich), [Dr. Carolin Strobl](#) (University of Zurich)

1:30pm **Transparency Over the Life-Cycle of a Simulation Study**

» [Prof. Mirka Henninger](#) (University of Basel), [Prof. R. Philip Chalmers](#) (York University), [Dr. Carolin Strobl](#) (University of Zurich)



Continued from **Tuesday, 21 July**

1:45pm **Toward Reporting Standards for Methodological Research**

» [Dr. Karoline Huth](#) (University of Amsterdam)

12:45pm **Cognitive Diagnostic Models**

Room 103, School of Management

Chaired by: Dr. Camilo Cardenas

12:45pm **Identifiability of Partial Mastery DINA Models**

» [Dr. Jun Wu](#) (Institute of Computer Science of the Czech Academy of Sciences), Prof. Patrícia Martinková (Institute of Computer Science of the Czech Academy of Sciences), Prof. Elena Eroshva (University of Washington)

1pm **Q-Matrix Validation using the Minimax Concave Penalty**

» [Dr. Daoxuan Fu](#) (Sun Yat-sen University), Prof. Junhao Pan (Sun Yat-sen University)

1:15pm **Integrating SDT into CDMs: A Discrimination-Weighted Approach**

» [Mr. Yen-Ting Chen](#) (National Sun Yat-sen University), Prof. Jyun-Hong Chen (National Cheng Kung University)

1:30pm **Stick-Breaking Pólya-Gamma Bayesian Inference for Multiple Choice SDT**

» [Mr. Takumi Itamiya](#) (Dwango Co., Ltd.)

1:45pm **A Generalized Additive Partial-Mastery Cognitive Diagnosis Model**

» [Dr. Camilo Cardenas](#) (London School of Economics), Prof. Yunxiao Chen (London School of Economics), Prof. Irini Moustaki (London School of Economics)

2pm **Walking Break**

2:15pm **Presidential Panel Discussion**

Auditorium, Baekyang Hall

Chaired by: Prof. Nidhi Kohli and Dr. Chun Wang

From the Past to the Future of Psychometrika

» [Prof. Nidhi Kohli](#) (University of Minnesota - Twin Cities), Dr. Chun Wang (University of Washington), Prof. Hua Hua Chang (Purdue University), Prof. Irini Moustaki (London School of Economics), Dr. Matthias von Davier (TIMSS & PIRLS International Study Center at Boston College), Prof. Edward H. Ip (Department of Biostatistical Sciences and the Department of Social Sciences & Health Policy, Wake Forest School of Medicine, Winston-Salem, NC, USA), Prof. Denny Borsboom (University of Amsterdam), Prof. Minjeong Jeon (University of California, Los Angeles)

2:15pm **Item Response Models**

B125, Ballroom, The Commons

Chaired by: Dr. Haiyan Lin

2:15pm **Heterogeneous Conditional Dependence of Response Time and Accuracy as Evidence for Cheating Detection**

» [Mr. Tai Sun Jeong](#) (University of Wisconsin - Madison), Dr. James Wollack (University of Wisconsin - Madison)

2:30pm **A Comparison of Model-Based and Model-Agnostic Approaches to Detecting Careless Responding**

» [Mr. Wenshuo Li](#) (McGill University), Prof. Carl Falk (McGill University)

2:45pm **Regression Calibration Outperforms Plausible Values in Regression with Scores from Short Scales**

» [Dr. James Uanboro](#) (University of North Texas), Dr. Nivedita Bhaktha (Indian Institute of Technology Kanpur)

3pm **Reconsidering Measurement Invariance in ICCS: A Robust Scaling Approach**

» [Mr. Pablo Torres Irribarra](#) (International Association for the Evaluation of Educational Achievement), Dr. Diego Carrasco (Pontificia Universidad Católica de Chile)

3:15pm **Comparing Growth Scores from Integrated and Standalone CAT Using Simulation, Observational Adjustment, and Distributional Metrics**

» [Dr. Haiyan Lin](#) (NWEA), Dr. Michael Nering (NWEA), Dr. Patrick Meyer (NWEA)



Continued from **Tuesday, 21 July**

2:15pm **Longitudinal Methods**
B126, Ballroom, The Commons
 Chaired by: Dr. Kyungmin Lim

2:15pm **Dealing with Missingness in SPC Monitoring of ESM Data**
 » Ms. Fien De Pauw (KU Leuven), Dr. Evelien Schat (KU Leuven), Prof. Francis Tuerlinckx (KU Leuven), Prof. Eva Ceulemans (KU Leuven)

2:30pm **The Illusion of Zero Effects: Unmasking Attenuation Bias in Intensive Longitudinal Data**
 » Prof. Hsiu-Ting Yu (National Chengchi University)

2:45pm **Real-Time and Person-Specific Detection of Declining Data Quality in Experience Sampling Studies**
 » Dr. Evelien Schat (KU Leuven), Prof. Eva Ceulemans (KU Leuven)

3pm **Impact of Response Scale on Location-Scale Model Estimation**
 » Dr. Soyoung Kim (Chonnam National University)

3:15pm **Systematic Bias in Latent Growth Models with Binary Variables**
 » Dr. Kyungmin Lim (Department of Psychology, Ewha Womans University), Prof. Su-Young Kim (Department of Psychology, Ewha Womans University)

2:15pm **Network Psychometrics**
B145, The Commons
 Chaired by: Dr. Klint Kanopka

2:15pm **Network Psychometrics: Solutions to Node Redundancy**
 » Mr. Abraham Iniguez (University of California, Davis), Dr. Jonathan Park (University of California, Davis), Dr. Mijke Rhemtulla (University of California, Davis)

2:30pm **Modeling Fast-Slow Timescale Coupling in Psychological Systems**
 » Ms. Kyuri Park (University of Amsterdam), Prof. Denny Borsboom (University of Amsterdam), Dr. Mike Lees (University of Amsterdam), Dr. Lourens Waldorp (University of Amsterdam), Prof. Johan Bollen (University of Amsterdam), Dr. Vítor V. Vasconcelos (University of Amsterdam)

2:45pm **Quantifying the Threat of Trait-State Confounding to Mediation Validity**
 » Ms. Mengyang Liu (City University of Hong Kong)

3pm **Dyadic Transmission of Depression and Anxiety among US Older Couples**
 » Dr. Min Liu (Baylor University), Dr. Jinyu Liu (Baylor University)

3:15pm **Unraveling the Structure of Suicidal Ideation: A Network Psychometric Approach**
 » Dr. Klint Kanopka (New York University), Ms. Eliabeth Kroll (Charlie Health), Dr. Matthew Murray (Charlie Health), Dr. Caroline Fenkel (Charlie Health)

2:15pm **AI and Clustering**
B146, The Commons
 Chaired by: Prof. Jincheol Lim

2:15pm **Latent Profile Modeling with NLP-derived Text Features and Response Time Telemetry**
 » Dr. Sunhee Kim (The College Board), Dr. Judit Antal (The College Board)

2:30pm **Predicting Relative Item Difficulty Using LLMs**
 » Dr. Ye Yuan (Graduate Management Admission Council ®), Dr. Kyung T. Han (Graduate Management Admission Council)

2:45pm **A Constrained Clustering Algorithm to Form Learning Groups for Effective Instruction**
 » Dr. Minh Lee (University of Notre Dame), Dr. Cheng Liu (University of Notre Dame)



Continued from **Tuesday, 21 July**

- 3pm **A New Framework for the Identification of Representative Trees from Subforests Composed of Accurate and Diverse Trees**
 » Prof. [Jincheol Lim](#) (Sejong University, Korea), Prof. Kyung-Seok Min (Sejong University, Korea), Ms. Somi Kim (Sejong University, Korea)
- 3:15pm **Out-of-Sample Prediction and Reliability in Cognitive Diagnosis Models**
 » Mr. [Diego Iglesias](#) (Universidad Autónoma de Madrid), Dr. Miguel A. Sorrel (Universidad Autónoma de Madrid), Dr. Ricardo Olmos (Universidad Autónoma de Madrid), Prof. Jimmy de la Torre (University of Hong Kong)
- 2:15pm **Longitudinal Methods**
B147, The Commons
 Chaired by: Dr. Hok Chio Lai
- 2:15pm **Performance of a Longitudinal Polytomous IRT Model under Small Sample Conditions**
 » Ms. [Kong ju Suh](#) (Keimyung University), Prof. Chanhoo Park (Keimyung University)
- 2:30pm **Improving Change Measurement in Longitudinal Studies: A Comparison of LGM and LIRT-Second-Order Latent Growth Models**
 » Dr. [Mei Ling Ong](#) (University of Georgia), Prof. Seock-Ho Kim (University of Georgia), Dr. Steven Beach (University of Georgia)
- 2:45pm **Impact and Handling of Non-Normal Data in Multilevel Autoregressive Models**
 » Dr. [Yue Xiao](#) (East China Normal University), Prof. Hongyun Liu (Beijing Normal University)
- 3pm **Stepwise Exploratory Latent Vector Autoregressive Modelling of Individual Affect Dynamics**
 » Ms. [Shannon Dickson](#) (KU Leuven), Dr. Kim De Roover (KU Leuven), Prof. Eva Ceulemans (KU Leuven)

- 3:15pm **Penalized Longitudinal Factor Models with an Approximate L0 Penalty**
 » Dr. [Hok Chio Lai](#) (University of Macau), Ms. Meltem Ozcan (University of Southern California)
- 2:15pm **Symposium: Generative AI and Psychometrics**
Room 101, School of Management
 Chaired by: Dr. Hudson Golino
- 2:15pm **Prompt Engineering for Scale Development in Generative Psychometrics**
 » Mrs. [Lara Lee Russell-Lasalandra](#) (University of Virginia), Dr. Hudson Golino (University of Virginia)
- 2:30pm **A Network-Based Complexity Approach to Measuring Abstraction in Large Language Model Text Outputs**
 » Ms. [Xiatian Chu](#) (University of Virginia), Dr. Hudson Golino (University of Virginia)
- 2:45pm **Using Multiagent LLM for Q-matrix Validation in Cognitive Diagnosis**
 » Dr. [Wenchao Ma](#) (University of Minnesota - Twin Cities)
- 3pm **LLM Agent Accuracy for Automatic Database Construction**
 » Mr. [Iain Ramirez](#) (University of Virginia), Dr. Hudson Golino (University of Virginia)
- 2:15pm **Causal Inference**
Room 102, School of Management
 Chaired by: Prof. Yong-Won Lee
- 2:15pm **Instrument-Based Falsification Tests for Item Bias in Reading Assessments**
 » Dr. [Naram Gwak](#) (Seoul National University)
- 2:30pm **On the Identification of Item Bias via Difference-in-Differences**
 » Dr. [Sangyun Lee](#) (Gwangju Munsan Elementary School), Prof. Yongnam Kim (Seoul National University)



Continued from **Tuesday, 21 July**

- 2:45pm **Re-Conceptualizing Consequential Validity in Diagnostically-Oriented Tests**
» [Prof. Yong-Won Lee](#) (Seoul National University)
- 3pm **A Nonparametric, Scale-Free Measure of Causal Effects on Validated Latent Traits with the Causal Win Ratio**
» [Ms. Beom Kwon](#) (University of Wisconsin - Madison), [Prof. Hyunseung Kang](#) (University of Wisconsin - Madison)
- 3:15pm **Causal Inference for Assessment Outcomes Under Measurement Model Uncertainty**
» [Dr. Xiangyi Liao](#) (University of British Columbia)
- 2:15pm **Dynamical Systems Modeling**
Room 103, School of Management
Chaired by: Dr. Jonathan Park
- 2:15pm **Affect and Emotions Within the Sense-Making Phase Transition Framework**
» [Mr. Miguel Bosch Francisco](#) (Universidad Autónoma de Madrid)
- 2:30pm **Detecting Abrupt Shifts in Cognitive Development Trajectories**
» [Mr. Marcos Romero-Suárez](#) (Universidad Autónoma de Madrid), [Prof. Sy-Miin Chow](#) (The Pennsylvania State University), [Dr. Pablo F. Cáncer](#) (Universidad Pontificia Comillas), [Prof. Eduardo Estrada](#) (Universidad Autónoma de Madrid)
- 2:45pm **Bayesian Dynamic Modeling of Physical Activity in EMA Data**
» [Dr. Marek Brabec](#) (Institute of Computer Science of the Czech Academy of Sciences), [Prof. Patrícia Martinková](#) (Institute of Computer Science of the Czech Academy of Sciences), [Dr. Marek Maly](#) (Institute of Computer Science of the Czech Academy of Sciences)
- 3pm **The Implications of Modeling Dynamic Factors as Networks**
» [Dr. Jonathan Park](#) (University of California, Davis)

3:15pm
Dynamic Latent Variable Models for Log Data from Learning Platforms
» [Ms. Ji Yun Lee](#) (University of Texas at Austin), [Dr. Hyeon-Ah Kang](#) (University of Texas at Austin)

3:30pm **Refreshment Break**

3:45pm **Early Career Award**
Auditorium, Baekyang Hall
Chaired by: Prof. Alison Cheng

Assembling the Diagnostic Puzzle: Multimodal Perspectives on Cognitive Diagnosis
» Professor Shiyu Wang (University of Georgia)

4:45pm **Walking Break**

5pm **Reception, Poster Session I**
B132, The Commons

Integrating Critical Perspectives on Race, Measurement, and Methodology
» [Ms. Brein Mosely](#) (Harvard University)

Quantifying Similarity Across Automatic Item Generated Parallel Forms
» [Dr. Emily Ho](#) (Northwestern University), [Prof. David Budescu](#) (Fordham University)



Continued from **Tuesday, 21 July**

Collaborative Learning in Online and Hybrid Higher Education Learning Environments

» Prof. [Sy-Miin Chow](#) (The Pennsylvania State University), Ms. Xiaoyue Xiong (The Pennsylvania State University), Mr. Jyotirmoy Nirupam Das (The Pennsylvania State University), Dr. Majorie Bond (The Pennsylvania State University), Dr. Tracey Hammel (TBA), Ms. Sharon Haeun Kim (The Pennsylvania State University), Dr. Jung In Kim (The Pennsylvania State University), Dr. Pui-Wa Lei (Pennsylvania State University), Dr. Molly Counterline (The Pennsylvania State University), Dr. Yoakim Badr (The Pennsylvania State University), Dr. Orfeu Buxton (The Pennsylvania State University), Dr. Matthew Beckman (Pennsylvania State University), Dr. Prabhani Kuruppumullage Don (Pennsylvania State University)

Software for Parameter Selection for Windowed Cross Correlation (WCC)

» Prof. [Steven Boker](#) (University of Virginia), Dr. Chris Welker (University of Virginia), Ms. Jingyun Wu (University of Virginia), Ms. Sareena Chadha (University of Virginia)

On the Equivalence of Kish's Effective Sample Size and Satterthwaite's Degrees of Freedom under Homogeneous Variance Components

» Dr. [Matthias von Davier](#) (TIMSS & PIRLS International Study Center at Boston College)

Impact of Parameter Type and Multidimensional Structure on the Holistic Fitting Propensity of Dichotomous IRT Models

» Dr. [Ezgi Aytürk](#) (Koç University), Dr. Leah Feuerstahler (Fordham University)

Mutual Information-Based Exploratory Graph Analysis for Factor Structure Recovery

» Mr. Youngjin Kim (Korea Institute for Curriculum and Evaluation), Ms. Yejin Woo (Ewha Womans University), Mr. Hoon Kim (Korea Institute for Curriculum and Evaluation), [Mr. Nagap Park](#) (Yonsei University)

Investigation of Metric Invariance in Structural Equation Model Trees

» Dr. [Minju Hong](#) (Chung-Ang University), Dr. Juyeon Lee (Korean Educational Development Institute)

Automated Item Generation for Parallel Forms Using Multi-Agent Systems

» Mr. [Seojun Lee](#) (Department of Psychology, College of Social Science, Hallym University), Prof. Dong Gi Seo (Department of Psychology, College of Social Science, Hallym University)

Beyond MCAR: Conditions Under Which Complete Case Analysis Remains Valid

» Ms. [Siyi Wang](#) (University of Toronto), Dr. Feng Ji (University of Toronto)

Developing A Generative AI Over-Dependence Scale Using LLM Simulations

» Ms. [Hyunyeon Song](#) (Yonsei University), Ms. Minchae Noh (Yonsei University), Prof. Han Joe Kim (Yonsei University)

Systematic Review of Q-Matrix Validation Methods for Diagnostic Classification Models

» Ms. [Ashley Heady](#) (University of Georgia), Mr. Beltran Pantoja De Prada (University of Georgia), Ms. Nancy Alila (University of Georgia), Prof. Matthew Madison (University of Georgia)

Integrating RMSD into Bayesian Posterior Predictive DIF Detection for ILSAs

» Dr. [Sean Joo](#) (University of Kansas), Dr. Jung Yeon Park (George Mason University)

Reliability-Weighted State-Space RNNs for Knowledge Tracing Under Turn-Varying Label Noise

» Dr. [Jinnie Shin](#) (University of Florida), Ms. Anna Pauline Aguinalde (University of Florida)

Addressing Response Process Heterogeneity in CAT: A Monte Carlo Evaluation of the MixDUM Model

» Dr. [Wei Wang](#) (The CUNY Graduate Center), Mr. Edward Xue (Baruch College and Graduate Center, CUNY)



Continued from **Tuesday, 21 July**

Flexible Standard Error Estimation of Bayesian Generalized Linear Models under Misspecified Variances

» [Mr. Junjie Ma](#) (University of Toronto), Dr. Feng Ji (University of Toronto)

Response-Free Rasch Difficulty Prediction Via Option Interaction Modeling

» [Mr. Jan Netík](#) (Institute of Computer Science, Czech Academy of Sciences; Faculty of Education, Charles University), Prof. Patřicia Martinková (Institute of Computer Science, Czech Academy of Sciences; Faculty of Education, Charles University)

The Role of the Intraclass Correlation Coefficient in Multilevel Analysis

» [Dr. Yasuhiro Yamamoto](#) (Okayama University), Prof. Yasuo Miyazaki (Virginia Polytechnic Institute and State University)

Assessing the Performances of Coordinate Ascent Variational Inference for Dynamic Structural Equation Modeling Parameters Estimation

» [Mr. Vivato Andriamarana](#) (Tübingen University)

A Data-Matrix-Based Overall Goodness-of-Fit Test for Confirmatory Factor Analysis: In-Sample Prediction Error for Observed Variables

» [Mr. Young Ze Kim](#) (Yonsei University), Prof. Gyeongcheol Cho (The Ohio State University), Prof. Han Joe Kim (Yonsei University)

A Review of LLM-Based AES Studies Dealing with Non-English Languages

» [Mr. Hyeongseop Kim](#) (Yonsei University), Prof. Guemin Lee (Yonsei University)

Detecting Differences in Latent Means Under Varying Partial Equivalence Conditions

» [Dr. Cheng-Hsien Li](#) (National Sun Yat-sen University)

Assessing the Performance of Change-Point LTA for Detecting Structural Shifts

» [Mr. Hangyu Kim](#) (Kyungpook National University), Prof. Jungkyu Park (Kyungpook National University)

Robust Weighted Sequential Detection of Compromised Items in CAT

» [Dr. Huang Yao-Hsuan](#) (National Taiwan Normal University), Prof. Chen Po-Hsi (National Taiwan Normal University)

Using IRT to Test Competing Explanations for Comorbidity in BPD

» [Ms. Eun Sun Lee](#) (Department of Psychology, University of South Florida, Tampa, FL, United States), Ms. Bori Jung (Department of Psychology, University of South Florida, Tampa, FL, United States), Dr. Marina Bornoalova (Department of Psychology, University of South Florida, Tampa, FL, United States)

Intervention Simulations for Insomnia Using Bridge Centrality in Networks

» [Ms. Megumi Kato](#) (Senshu university), Mr. Takumi Omizu (Senshu university), Prof. Yoshihiko Kunisato (Senshu university)

Modeling and Scoring Conversational Explain-Your-Thinking Items at Scale

» [Dr. Jing Chen](#) (Khan Academy), Dr. Scott Frohn (Khan Academy), Dr. Tyler Burleigh (Khan Academy)

A Permutation-Based Network Invariance Test Using the Network Similarity Metric

» [Dr. Simran Johal](#) (University of Oregon), Ms. Natalie Bondurant (University of California, Davis), Prof. Esther Ulitzsch (University of Oslo), Dr. Mijke Rhemtulla (University of California, Davis)

Nested Cross-Validation for Within-Class Structure Selection in GMM

» [Ms. Heekyung Moon](#) (Korea University), Prof. Taehun Lee (Korea University)



Continued from **Tuesday, 21 July**

Selective data fusion to augment randomized trials with external data

» [Ms. Seyda Aydin](#) (University of Tübingen), Prof. Holger Brandt (Tübingen University)

A latent dirichlet allocation analysis of knowledge tracing research trends

» [Ms. Seung-Ri Choo](#) (Department of Education, Ewha Womans University), Prof. Youn-Jeng Choi (Department of Education, Ewha Womans University)

Evaluating measurement invariance with multiple covariates in cognitive diagnosis modeling

» [Dr. Pablo Nájera](#) (Universidad Pontificia Comillas), Dr. Miguel A. Sorrel (Universidad Autónoma de Madrid), Dr. Philipp Sterner (Ludwig-Maximilian-University München), Prof. David Goretzko (Department of Psychology, Goethe University, Frankfurt)

Detecting high loneliness in university students using machine learning

» [Ms. Sunyoung Won](#) (National Taiwan University), Prof. Kaiping Yao (National Taiwan University), Prof. Li-Chung Lin (Chung Yuan Christian University)

Modeling the Time-Varying effect in Dyadic RSA data: A Continuous-Time Multilevel Coupled Oscillator Framework

» [Mr. Yongqi Lang](#) (University of Utah), Prof. Lisa Diamond (University of Utah), Prof. Pascal Deboeck (University of Utah)

Validation of a within-subject factorial survey for assessing implicit stereotypes

» [Dr. M. Constanza Ayala](#) (Universidad de Valparaíso), Dr. Ana María Espinoza (Universidad del Desarrollo), Dr. Luis Maldonado (Pontificia Universidad Católica de Chile), Dr. María Inés Susperreguy (Pontificia Universidad Católica de Chile), Ms. Josefa Espinoza (Universidad Alberto Hurtado)

Parallel analysis and competing methods in bifactor models with noise

» [Ms. Zexuan Jiang](#) (University of Illinois Urbana-Champaign), Prof. Yan Xia (University of Illinois Urbana-Champaign)

Causal Inference of Gamification Effects Using Bayesian Network Modeling

» [Ms. Yeji Jang](#) (Department of Statistics, Ewha Womans University), Ms. Chaeyeon Lee (Department of Statistics, Ewha Womans University), Ms. Sumin An (Department of Education, Ewha Womans University), Dr. Hye-Eun Seok (Department of Mathematics Education, Kyungpook National University)

Marginal information functions for graded response models with sequential dependence of responses

» [Dr. Daisuke Shimada](#) (Tokyo Metropolitan University), Dr. Kensuke Okada (The University of Tokyo)

Scaling and Estimation of Growth Models with Categorical Indicator Variables

» [Dr. Kyungmin Lim](#) (Department of Psychology, Ewha Womans University), Prof. Su-Young Kim (Department of Psychology, Ewha Womans University)

Implementing Dynamic Latent Class Structural Equation Models in JAGS

» [Ms. Sofia Morelli](#) (Tübingen University), Mr. Roberto Faleh (Tübingen University), Prof. Holger Brandt (Tübingen University)

Effects of Sample Size and Time Points on Innovation Variance in DSEM

» Ms. Young Soo Lee (Sogang University), [Dr. Hye Won Suk](#) (Seoul National University)

Estimating Inverse Temperature in Individual Networks Using Dynamic Ising Models

» [Mr. Takumi Omizu](#) (Senshu university), Prof. Yoshihiko Kunisato (Senshu university)



Continued from **Tuesday, 21 July**

Bullying as a behavioural determinant of health: prevalence, forms, and associated factors among medical students in Oman

» [Ms. Maryam Al Wahaibi](#) (Sultan Qaboos University, College of Medicine and Health Sciences), [Dr. Nasar Al wahaibi](#) (Sultan Qaboos University, College of Medicine and Health Sciences), [Ms. Shahd Al Ghawi](#) (Sultan Qaboos University, College of Medicine and Health Sciences), [Ms. Fatema Al Ajaimi](#) (Sultan Qaboos University, College of Medicine and Health Sciences), [Ms. Hoor Al Habsi](#) (Sultan Qaboos University, College of Medicine and Health Sciences), [Ms. Maria Al Azri](#) (Sultan Qaboos University, College of Medicine and Health Sciences), [Mr. Mohammed Al Badi](#) (Sultan Qaboos University, College of Medicine and Health Sciences)

Evaluating the latent space modeling approach for aggregated process data

» [Dr. Xin Qiao](#) (University of South Florida), [Dr. Tracy Sweet](#) (University of Maryland)

The performance of AES by implementing strategic copy-paste data augmentation

» [Ms. Siwon Kim](#) (Yonsei University), [Mr. Youngmin Kwon](#) (Yonsei University), [Prof. Guemin Lee](#) (Yonsei University)

A Robust Bootstrap-CUSUM Method for Detecting Test Speededness and Pinpointing Changepoints in Computerized Testing

» [Dr. Baoqun Chang](#) (Northeast Normal University), [Dr. Chun Wang](#) (University of Washington), [Dr. Jing Lu](#) (Northeast Normal University), [Prof. Jiwei Zhang](#) (Northeast Normal University)

Importance-Weighted Autoencoders for Estimating and Evaluating Multidimensional Graded Response Models: An Application to AI Literacy Scale

» [Dr. Jie-Wen Tsai](#) (National Central University), [Prof. Tzu-Yang Chao](#) (National Central University), [Prof. Yu-Hsin Lo](#) (Tunghai University), [Prof. Feng-Nan Hwang](#) (National Central University), [Prof. Li-Der Chou](#) (National Central University)

A Novel Mixture Item Response Theory Model for Guessing Behavior

» [Mr. Fei Gao](#) (University of California, Merced), [Dr. Ren Liu](#) (University of California, Merced), [Dr. Haiyan Liu](#) (University of California, Merced)

AI-Driven Item Cloning for Psychometric Equivalence, Scalable Form Assembly, and Enhanced Test Security

» [Dr. Heather Harris](#) (Workday)

A Parsimonious Form of Moderated Mediation in Psychological Science: Detecting Spurious Effects and Proposing Refinements to Model Specification

» [Ms. Yiqing Quan](#) (The Hong Kong Polytechnic University), [Prof. Chi Kit Jacky Ng](#) (The Hong Kong Polytechnic University)

Effects of DIF Items on Routing and θ Estimation in MST

» [Ms. Jiyeon Kim](#) (Yonsei University), [Prof. Guemin Lee](#) (Yonsei University)

The importance of covariate control in nonequivalent groups design studies

» [Mr. Eungi Jeon](#) (Yonsei University), [Prof. Han Joe Kim](#) (Yonsei University)

The Latent Space Item Response Model as a Network-Based Framework for Centrality Evaluation

» [Mr. Seungchan Yu](#) (Yonsei University), [Dr. Inhan Kang](#) (Yonsei University)

Addressing moderation effects in multiple-group structural equation models with unbalanced data: A comparison of approaches

» [Mr. Tzu-Yang Chao](#) (Department of Educational Psychology and Counseling, National Taiwan Normal University), [Mr. Po-Yi Chen](#) (Department of Educational Psychology and Counseling, National Taiwan Normal University)

Development and Validation of a Context-Specific Generative AI Scoring System for Scenario-Based Teaching Aptitude Assessments: A High-Precision Measurement Approach

» [Prof. In-Hee Choi](#) (Sookmyung Women's University)



Continued from **Tuesday, 21 July**

The impact of DIF on Q-matrix refinement in CDM

» [Dr. Hsiu-Yi Chao](#) (Soochow University)

Bayesian Multilevel Modeling for Handling Missing Responses and Background Covariates

» Dr. Jialing Tan (Northeast Normal University), Dr. Chun Wang (University of Washington), [Prof. Jiwei Zhang](#) (Northeast Normal University), Dr. Jing Lu (Northeast Normal University)

A Comparative Study of Optimal Cut-Off Indices for Criterion-Referenced Psychological Tests

» [Mr. Myung In Ahn](#) (Seoul National University), Dr. Hye Won Suk (Seoul National University)

Reconciling latent variables and networks - exploring and extending the psychometric-toolbox

» [Mr. Kevin Kistermann](#) (Tübingen University), Mr. Vivato Andriamiarana (Tübingen University), Prof. Augustin Kelava (Tübingen University)

Exploring Developmental Trajectory of Multicultural Adolescents with Latent Class Analysis

» [Ms. Jeong U Kim](#) (Sungshin Women's University), Dr. Mirim Kim (Sungshin Women's University)

Power and sample size calculations for the Jonckheere and Page tests against ordered alternatives in randomized complete block designs

» Dr. Show-Li Jan (Chung Yuan Christian University), [Dr. Gwown Shieh](#) (National Yang Ming Chiao Tung University)

Autoregressive Coefficient Estimation Under Model (Mis)Specification in Four Longitudinal SEM models

» [Ms. Yoo Ri Hwang](#) (University of California, Davis), Dr. Mijke Rhemtulla (University of California, Davis)

Breaking the Habit: An Empirical Demonstration of Why Classification May Be a Better Alternative to Factor Analysis in Scale Development

» Dr. Leanne Ketterlin Geller (Southern Methodist University), [Ms. Joanne Joo](#) (Southern Methodist University), Dr. Yusuf Kara (University of Miami)

Measurement Invariance of the CIAS-10 Across Age Groups in Taiwan

» [Ms. Yi-Ling Lai](#) (National Taiwan University), Prof. Li-Chung Lin (Chung Yuan Christian University), Prof. Sue-Huei Chen (National Taiwan University)

Constraining extreme response styles in multiscale partial credit models

» [Dr. Eunbee Kim](#) (Georgia Institute of Technology), Dr. Susan Embretson (Georgia Institute of Technology), Dr. Clifford Hauenstein (The Johns Hopkins School of Medicine)

Composite Likelihood-based Transition Diagnostic Classification Model for Intensive Repeated Measurements

» [Dr. Minhoo Lee](#) (University of Notre Dame), Dr. Yon Soo Suh (NWEA)

Non-normality and heteroskedasticity in linear regression: A practice-oriented summary

» [Mrs. Hanna Raih-Weber](#) (University of Graz), Dr. Stefan Huber (University of Graz), Prof. Martin Arendasy (University of Graz)

Detecting AI cheating in high-stakes assessments: A LASSO logistic regression approach

» [Dr. Timo Seitz](#) (University of Mannheim), Ms. Alexandra Michelle Schardt (University of Mannheim), Mr. Maik Spengler (HR Diagnostics)

Can AI Score Leadership? Applying ChatGPT to Principal Training Assessment and Feedback

» [Dr. Mingchuan Hsieh](#) (National Academy for Educational Research)

A beta-lognormal gaussian copula model for visual analogue scaling data

» [Mr. Tzu-Yang Chao](#) (National Taiwan Normal University), Prof. Chen-Wei Liu (National Taiwan Normal University)



Continued from **Tuesday, 21 July**

How to Leverage AI for Automatic Item Generation for Novel Constructs

» [Ms. Deborah Iaze](#) (York University), Dr. Xijuan Zhang (York University)

Adaptive SEM: a unified framework for dynamic latent processes

» [Mr. Wesam Asaad](#) (Independent Researcher)

Cheating Detection in Large-Scale Assessment Using a Transformer-Based Tabular Foundation Model: TabPFN

» [Ms. Hanna Choi](#) (University of Maryland), Dr. Hong Jiao (University of Maryland)

Structural equation model of social anxiety amongst US Gamers

» [Ms. Hannah Park](#) (Independent Researcher), Dr. Dakota Cintron (Claremont Graduate University)

Eye-movements methodology as response processes validity evidence

» [Dr. Susana Sanz](#) (Universidad Pontificia Comillas), Dr. José David Moreno Pérez (Universidad Autónoma de Madrid), Ms. Beatriz Rodríguez (Universidad Autónoma de Madrid), Prof. Jukka Hyönä (University of Turku)

A proposal on using eye movements in educational assessment

» [Dr. José David Moreno Pérez](#) (Universidad Autónoma de Madrid), Dr. Susana Sanz (Universidad Pontificia Comillas), Dr. María Pilar Aivar (Universidad Autónoma de Madrid), Dr. Miguel A. Sorrel (Universidad Autónoma de Madrid)

Detecting Aberrant Respondents in Computer-Based Assessment Using a Lognormal Item Response Theory Model

» [Mr. Jungkyo Jung](#) (Chungnam National University), Prof. Hyewon Chung (Chungnam National University)

(Mis)Modeling Acquiescence Bias in Latent Mediation Models

» [Mr. Tugay Kaçak](#) (Trakya University)

Implementation Quality Over Quantity: A Moderated Mediation Analysis of How SEL Program Adherence and Dosage Influence Academic Achievement Through Social-Emotional Competencies

» [Ms. Menghe Xu](#) (Pennsylvania State University), Ms. Wuzhiyin Sun (Pennsylvania State University), Ms. Tianying Sun (Pennsylvania State University), Dr. Pui-Wa Lei (Pennsylvania State University), Dr. James Clyde Diperna (Pennsylvania State University)

Correcting between-group mean differences using a sum-score-based differential test functioning index

» [Dr. Yutaro Sakamoto](#) (Recruit Management Solutions Co., Ltd.), Dr. Ryuichi Kumagai (Tohoku University)

The Item Response Warehouse: What it is, how to use it, and targets for potential improvements

» Prof. Ben Domingue (Stanford University), Ms. Savira Nadela (Stanford University), Ms. Hansol Lee (Stanford University), Ms. Nishka Jain (Stanford University), Mr. Ayaan Gupta (Stanford University), [Ms. Lijin Zhang](#) (Stanford University)

The LEVANTE core tasks: Internationalized measures of learning and development for children ages 5-12 years

» [Prof. Ben Domingue](#) (Stanford University)

Determinants of Digital Learning in Taiwan's Primary and Secondary Schools: An Organizational Structure Analysis

» [Prof. Ming-Hsueh Tsai](#) (National Academy for Educational Research)

Comparing Methods for Causal Mediation with Nominal Mediator

» [Dr. Soyoung Kim](#) (Chonnam National University), Dr. Sooyong Lee (WIDA at the University of Wisconsin-Madison)

Bayesian Hierarchical Models for Multisite Dynamic Treatment Regimes

» [Mr. Hangil \(Noah\) Hong](#) (University of Tsukuba), Prof. Kazuya Fujita (University of Tsukuba)

Construction of school-based SEL implementation indicators: A case study

» [Prof. Yu-Chuan Chen](#) (National Taiwan Normal University)



Continued from Tuesday, 21 July

Correcting for bias in cluster-level effects of categorical predictors

» [Mr. Tsuyoshi Kato](#) (The University of Tokyo)

Validity index in mean comparisons: Cutoff values & confidence intervals

» [Ms. Muhan Yang](#) (University of Notre Dame), [Dr. Ke-Hai Yuan](#) (University of Notre Dame)

Comparing permutation methods for evaluating multidimensional scaling configuration similarity

» [Mr. Yonggi Kim](#) (Chungbuk National University), [Dr. Yuhwa Han](#) (Chungbuk National University)

Aggregated inference for structural equation modeling with repeated data splitting

» [Mr. You-Lin Chen](#) (National Chengchi University), [Dr. Po-Hsien Huang](#) (National Chengchi University)

Group sequential methods for detecting differential item functioning

» [Mr. Shuhei Hanadate](#) (University of Tsukuba), [Dr. Kazuhiro Yamaguchi](#) (University of Tsukuba)

Alignment method for reference indicator selection in invariance testing

» [Mr. ChiHyeon Noh](#) (Pusan National University), [Prof. Seung Bin Cho](#) (Pusan National University)

From Suspicion to Evidence: A Multi-Index Psychometric Approach to Detecting Exam Collusion

» [Dr. Muhammad Naveed Khalid](#) (Royal College of Emergency Medicine)

Finite-Sample Evaluation of Computerized Adaptive Testing

» [Mr. Hau-Hung Yang](#) (National Taiwan University), [Prof. Yung-Fong Hsu](#) (National Taiwan University), [Dr. Che Cheng](#) (National Taiwan University)

Familiarity and Liking in Classroom Networks: A Multilayer Analysis of Rated Peer Relations

» [Dr. Chih-Han Leng](#) (National Tsing Hua University), [Prof. Ulf Böckenholt](#) (Northwestern University)

Acculturative stress change and covariate DIF: a Bayesian MNLFA approach

» [Mr. Changhyeon Lee](#) (Ajou University), [Prof. Younyoung Choi](#) (Ajou University)

Applying diagnostic classification models to an English language proficiency assessment

» [Ms. Kayla Teng](#) (University of California, Los Angeles)

Predicting mathematics achievement using process data structured by item characteristics

» [Ms. Yejin Woo](#) (Ewha Womans University), [Prof. Youn-Jeng Choi](#) (Department of Education, Ewha Womans University)

The Moderating Role of Money Attitudes in the Relationship Between Personality Traits and Early Pension Withdrawal

» [Mr. Paul Nixon](#) (Momentum Investments), [Prof. Evan Gilbert](#) (University of Stellenbosch)

5:55pm

Poster Transition Break

6:05pm

Reception, Poster Session II

B132, The Commons

Relationships among polytomous IRT models: Focusing on the reparameterized NRM

» [Mr. Hyeon Park](#) (Department of Psychology, College of Social Science, Hallym University), [Prof. Dong Gi Seo](#) (Department of Psychology, College of Social Science, Hallym University)

Integrating anchor selection strategies with dual-scale purification for DIF detection

» [Dr. Ya-Hui Su](#) (National Chung Cheng University), [Ms. Wei-Tzu Wu](#) (National Chung Cheng University)



Continued from **Tuesday, 21 July**

A Generalized Latent Class Model for Zero-Inflated Overdispersed Counts

» [Mr. Jeonglae Seo](#) (Kyungpook National University), Prof. Jungkyu Park (Kyungpook National University)

SNMMs with functional covariates for longitudinal causal inference

» [Mr. Yuhao Wang](#) (The University of Osaka), Dr. Kentaro Fukushima (The University of Osaka), Dr. Michio Yamamoto (The University of Osaka)

Asymptotic Robustness of DINA Under Q-Matrix Misspecification

» [Mr. Yen-Ting Chen](#) (National Sun Yat-sen University), Prof. Ching-Lin Shih (National Sun Yat-sen University)

One process, different clock: a continuous-time view on sampling frequencies

» [Ms. Nilufer Goktas](#) (University of Southern California), Dr. Meng Chen (University of Southern California)

Application of Item Response Theory to Evaluate Developmental Measurement Coverage of Executive Function Tasks in Early Childhood

» [Dr. Akie Yada](#) (University of Jyväskylä), Prof. Kirby Deater-Deckard (University of Massachusetts Amherst), Dr. Fii Takio (University of Turku), Dr. Elisabeth Nordenswan (University of Turku), Dr. Eeva Eskola (University of Turku), Prof. Hasse Karlsson (University of Turku), Prof. Linnea Karlsson (University of Turku), Prof. Riikka Korja (University of Turku), Dr. Saara Nolvi (University of Turku), Prof. Asko Tolvanen (University of Jyväskylä)

Predicting dropout: Should time be considered continuous or discrete?

» [Mr. Hyungiun Park](#) (National University of Singapore)

Verification of Practical Utility of the Attachment Support Evaluation Scale (ASES)

» [Dr. Yoko Tanaka](#) (Kio University)

Why $ab + c' \neq c$: Addressing the effect conservation anomalies in mediation analysis

» [Prof. Chi Kit Jacky Ng](#) (The Hong Kong Polytechnic University), Dr. congqing he (Huzhou University)

Leveraging Prompt Engineering for Automated WJ V Short-Form Test Assembly

» [Dr. Hyeonjoo Oh](#) (Riverside Insights), Dr. Tong Wu (Riverside Insights), Dr. Youngmi Cho (Riverside Insights)

Model-based ORF scores with negative-binomial factor model

» [Mr. Paul Foster](#) (Southern Methodist University), Dr. Xin Qiao (University of South Florida), Dr. Yusuf Kara (University of Miami), Dr. Akihito Kamata (Southern Methodist University)

A Simulation-Based Comparison Between Estimated Latent Scores and Sum Scores

» [Mr. Tonatiah Xochihua Tlecuil](#) (University of California, Los Angeles)

Examining Task-Bundle Heterogeneity in Treatment Effects using Explanatory Item Response Modeling

» [Dr. Yukie Toyama](#) (University of California, Berkeley), Prof. Mark Wilson (University of California, Berkeley)

Semi-amortized variational inference for highdimensional item response theory

» [Mr. Zhe Li](#) (University of Florida), Dr. Jinnie Shin (University of Florida)

Estimating Covariate Effects in Nonparametric Multilevel Latent Profile Analysis Accounting for Joint Level-1 and Level-2 Classification Error Probabilities

» [Mr. Myoungsung Lee](#) (Korea University), Mr. Seongmin Park (Korea University)

The Impact of Weight Inclusion in Multiple Imputation on Hazard Ratio Estimation for Complex Survey Survival Data

» [Mr. Jinhee Bae](#) (Korea University), Prof. Taehun Lee (Korea University)



Continued from **Tuesday, 21 July**

Nested Cross-Validation for Model Selection in Structural Equation Modeling

» [Mr. Yoonsik Chae](#) (Korea University), Dr. Dexin Shi (University of South Carolina), Prof. Taehun Lee (Korea University)

Redefining University Diversity: A Hierarchical Clustering Analysis of Higher Education Institutions in Taiwan

» [Dr. Hsiuhsi Liu](#) (National Academy for Educational Research)

Using Diagnostic Classification Models to Address Sparse Response Data in Likert-Scale Surveys

» Dr. Yu Bao (James Madison University), Dr. Jin Liu (University of Texas at Arlington), [Dr. Ying Jin](#) (James Madison University)

Combined Impact of Missing Data and Model Misspecification in GMM

» [Ms. Youngin Lee](#) (Seoul National University), Ms. Yejin Kim (Seoul National University), Ms. Suyeon Cha (Seoul National University), Prof. Hyun-Jeong Park (Seoul National University)

Handling missing not at random in cross-lagged panel models

» [Dr. Kazuki Hori](#) (Prefectural University of Kumamoto)

Developing Abbreviated Form of DTVP across Preschool and School-age Samples

» [Dr. Tian Jiang](#) (The Hong Kong Polytechnic University), Ms. Kristin Langohr (The Hong Kong Polytechnic University), Prof. Wai Ting Siok (The Hong Kong Polytechnic University)

Hub-aware EIG in graph-structured Bayesian MIRT diagnostics

» [Mr. Donghun Kang](#) (Socra AI)

Recovering missing observations in intensive longitudinal data using FPCA

» Ms. Mihyeon Kang (Pusan National University), [Prof. Seung Bin Cho](#) (Pusan National University)

Correcting Publication Bias in Network Meta-Analysis: Extending Right-Truncated Meta-Analysis to the Network Setting

» [Ms. HyeWon Kim](#) (Korea University), Prof. Taehun Lee (Korea University)

Type I Error Control and Power of the t-Test and the Wilcoxon-Mann-Whitney Test Across Skewness, Heteroscedasticity, and Sample Size Configurations

» [Ms. Minsun Cho](#) (Yonsei University), Prof. Han Joe Kim (Yonsei University)

The Real Student's Score Discrepancies Considering External and Training Effects

» [Dr. Fathima Jaffari](#) (Education and Training Evaluation Commission (ETEC)), Prof. Khaleel Al-Harbi (Education and Training Evaluation Commission (ETEC)), Dr. Mohammed Alqabbaa (Education and Training Evaluation Commission (ETEC))

Testing Berry's Acculturation Framework: Researcher-Led Methods Versus Latent Variable Models

» [Ms. Ivelina Hristova](#) (London School of Economics and Political Science)

Evaluating the Ordinal Sensitivity of Ecological Indices: Reflective versus Formative Weighting

» [Dr. Zonggui Li](#) (University of Maryland School of Pharmacy), Dr. Sara Daniel (University of Maryland School of Pharmacy), Ms. Nneka Okeke (University of Maryland School of Pharmacy), Ms. Jennifer Contreras (University of Maryland School of Pharmacy), Dr. Ester Villalonga-Olives (University of Maryland School of Pharmacy)

The Effects of Differential Item Functioning on Classification Accuracy in Computerized Classification Testing

» [Ms. Shan Yu Lin](#) (National Sun Yat-sen University), Mr. Bo-Hsien Hu (National Sun Yat-sen University), Prof. Ching-Lin Shih (National Sun Yat-sen University)

Prompt Engineering for Evaluating Creativity with Multimodal Large Language Models

» [Dr. Jinmin Chung](#) (The University of Iowa), Ms. Haeju Lee (University of North Carolina), Dr. Sungyeun Kim (Incheon National University)



Continued from **Tuesday, 21 July**

Process-based validation of cognitive diagnostic attributes using eye-tracking data

» [Mr. ChunXi Zhang](#) (Department of Educational Psychology and Counseling, National Taiwan Normal University), Prof. Po-Hsi Chen (National Taiwan Normal University)

Estimating models with low and no variability data in EMA: A data augmentation approach

» [Ms. Sarah Pirani](#) (University of North Carolina at Chapel Hill), Dr. Kathleen Gates (University of North Carolina at Chapel Hill)

The Evolution of the Hierarchical Framework for Modelling Speed and Accuracy on Test Items

» [Mrs. Irina Tkachenko](#) (Tilburg University), Dr. Jesper Tijmstra (Tilburg University), Dr. Maria Bolsinova (Tilburg University), Prof. Jeroen Vermunt (Tilburg University)

Latent Structure of STEM Advocacy Competence: A Structural Equation Modeling Approach

» Dr. Jack Simons (Mercy University), [Dr. Shujin Zhong](#) (University of North Florida), Dr. Yoko Tanaka (Kio University)

Multilevel Mixture Causal Mediation Analysis: Theoretical Identification and Empirical Simulation

» [Mr. Dohyeon Lee](#) (Kyungpook National University), Prof. Jungkyu Park (Kyungpook National University)

Dimension selection for conditional dependence analysis in the latent space item response model

» [Ms. Oreum Hyun](#) (Yonsei University), Dr. Inhan Kang (Yonsei University)

Evaluating machine learning as a proxy for human scoring of multiple-source argumentative essays

» [Dr. Yuting Sun](#) (University of North Florida), Dr. Shujin Zhong (University of North Florida)

Factored Regression Approach for Structural Equation Models with Non-Normal Continuous Data

» [Dr. Jiwon Kim](#) (Northwestern University)

A Monte Carlo evaluation of causal estimators under functional uncertainty

» [Ms. Eunjeong Song](#) (Korea University), Prof. Sehee Hong (Korea University)

Using person-specific DSEM parameters as mediators of intra-individual change with random-intercepts vector autoregressive (RIVAR) mediation.

» [Mr. Cody Campen](#) (Pennsylvania State University), Dr. Timothy Brick (Pennsylvania State University), Dr. Ivan Jacob Agaloo Pesigan (Pennsylvania State University), Dr. Donna Coffman (University of South Carolina), Dr. Sunhye Bai (University of Oregon), Dr. Sy-Miin Chow (The Pennsylvania State University)

An exploration of r-squared effect size measures in mediation

» [Mr. Alexander Miles](#) (University of South Carolina), Dr. Amanda Fairchild (University of South Carolina), Dr. Dexin Shi (University of South Carolina)

Applying Multidimensional Item Response Theory to the CESD-8 Depression Scale in the United Kingdom

» [Mr. Zhi Jie Lee](#) (The Ohio State University)

Bayesian Monotone Inference for Restricted Latent Class Models

» [Mr. Haotian Lu](#) (University of Illinois Urbana-Champaign), Prof. Steven Culpepper (University of Illinois Urbana-Champaign), Prof. Yuexi Wang (University of Illinois Urbana-Champaign)

Multiple Approaches for Exploratory Factor Analysis in Multilevel Construct

» [Dr. Mirim Kim](#) (Sungshin Women's University), Dr. Song Jung (Korea university)



Continued from **Tuesday, 21 July**

Application of intersectional routing in PISA 2022

» [Ms. SooHyun Park](#) (Department of Education, Ewha Womans University), Prof. Youn-Jeng Choi (Department of Education, Ewha Womans University), Dr. Kyung (Chris) T Han (Graduate Management Admission Council @)

Longitudinal measurement invariance in a Likert burnout scale

» [Dr. Soonbo Kwon](#) (Korea National University of Education, South Korea)

MetaBART: Semiparametric Bayesian sum-of-trees method in meta-analysis

» [Ms. Saeyan Yun](#) (Florida State University)

Undergraduate Dropout Prediction: A Machine Learning Approach in NTU

» [Mr. Yi Hsuan Tseng](#) (National Taiwan University), Prof. Kaiping Yao (National Taiwan University)

Predicting Undergraduate Academic Performance Using Social and Psychological Variables: A Machine Learning Approach

» [Prof. Kaiping Yao](#) (National Taiwan University), Mr. Yi Hsuan Tseng (National Taiwan University)

Data Generation Mechanisms for Modeling Explicit Selection and Sample Selection Bias

» [Dr. Laura Jamison](#) (Naval Research Laboratory), Dr. Joseph Coyne (Naval Research Laboratory), Dr. Ciara Sibley (Naval Research Laboratory), Dr. Cyrus Foroughi (Naval Research Laboratory)

Comparing response time methods within biclustering framework in detecting preknowledge

» [Mr. Shih Peng Chuang](#) (University of Illinois Urbana-Champaign), Prof. Justin L. Kern (University of Illinois Urbana-Champaign)

AIQ with Schema-guided IPER in Korean Essay Assessment

» [Mr. DongHyun Ko](#) (Yonsei University), Prof. Guemin Lee (Yonsei University)

Multidimensional mindfulness scale for upper-elementary students in South Korea

» [Ms. Soyeon Shin](#) (Yonsei University)

Job adjustment mediation in childcare aptitude: A longitudinal study

» [Ms. Jieye Lee](#) (Ajou University), Ms. Seonju Lee (Ajou University), Prof. Younyoung Choi (Ajou University)

Local dependence in LCA and LPA: Detection and Modeling

» [Ms. Mingyeong Song](#) (Department of Psychology, Ewha Womans University), Prof. Su-Young Kim (Department of Psychology, Ewha Womans University)

School engagement and jingle and jangle fallacies: Organizing scientific findings

» [Ms. Catalina Miranda Riquelme](#) (Pontificia Universidad Católica de Chile and KU LEUVEN, Belgium)

Context-sensitive item variance in adaptive learning: a GAMM approach

» [Dr. Jung Yeon Park](#) (George Mason University), Dr. Hyejin Yoon (George Mason University), Ms. Dai Gu (George Mason University)

A Comparative Study of an IRT Residual-Based Framework for Detecting Item Parameter Drift in CAT

» [Ms. Bomin Chung](#) (Inha University), Prof. Hwanggyu Lim, (Inha University), Ms. Yeonu Kim (Inha University)

Mapping Peer Networks to Academic Performance Trajectories in a Flipped Statistics Classroom

» [Dr. Jamie Trost](#) (Brown University)

Accuracy of Cutpoint Selection in Rasch Tree: A Simulation Study

» Dr. Sujin Baeg (Seoul National University), [Ms. Yejin Kim](#) (Seoul National University), Prof. Hyun-Jeong Park (Seoul National University)



Continued from **Tuesday, 21 July**

Comparing response processes in select-all-that-apply and select-n items

» [Dr. Sayaka Arai](#) (National Center for University Entrance Examinations), [Dr. Kei Ito](#) (National Center for University Entrance Examinations)

On neural estimation of the two-parameter logistic model

» [Mr. Yunbo Yang](#) (The University of Chicago), [Prof. Yanyan Sheng](#) (The University of Chicago)

Factor Structure of the Parentification Inventory

» [Mrs. Jun Kyung Kim](#) (Baylor University), [Dr. Sara Tomek](#) (Baylor University), [Prof. Lisa Hooper](#) (University of Northern Iowa)

Predicting Student Achievement in Mathematics and Science Using Mixed Effects Random Forest and SHAP Analysis

» [Ms. Yoonchae Jeong](#) (Chungnam National University), [Prof. Hyewon Chung](#) (Chungnam National University)

Bayesian network prediction of functional status in older adults

» [Ms. Seyoung Lim](#) (Ajou University), [Mr. Myeongbin Kim](#) (Ajou University), [Prof. Younyoung Choi](#) (Ajou University)

Adolescent Cooperation Trajectories: Concurrent and Lagged Effects

» [Ms. Suin Noh](#) (Chungnam National University), [Prof. Hyewon Chung](#) (Chungnam National University)

Before work begins: Developing and validating the Work Rituals Scale

» [Dr. Tzu-Ting Lin](#) (National Chengchi University)

Modeling Dyadic Interdependence and Conditional Transmission within Family Systems

» [Ms. Minseo Lee](#) (Sungshin Women's University), [Dr. Mirim Kim](#) (Sungshin Women's University)

A Multilevel Generalized Linear Modeling (MGLM) Analysis of Linguistic Complexity and Cognitive Load in Mathematics Assessment: Focusing on Response Time Log Data from PISA 2022

» [Ms. Jeongin Cha](#) (Gyeongsang National University)

Comparison of overall and level-specific fit in MSEM

» [Ms. Eunseo Pak](#) (Korea University), [Ms. Junseo Kim](#) (Korea University), [Dr. Haerim Yu](#) (Korea University), [Ms. Suemin Cho](#) (Korea University), [Ms. Giyun Kim](#) (Korea University)

Estimating Item Difficulty with Large Language Models

» [Dr. Jiahui Zhang](#) (Beijing Normal University)

Hierarchical Models of Speed and Accuracy as Construct Validity Evidence

» [Mr. Walton Ferguson](#) (University of Notre Dame), [Dr. Patrick Kirkland](#) (University of Notre Dame), [Prof. Alison Cheng](#) (University of Notre Dame)

A geometric evaluation of construct alignment in automated essay scoring

» [Mr. JeeHun Sung](#) (MooWee-Lab)

Validating test blueprints in operational IRT

» [Mr. Beltran Pantoja](#) (University of Georgia), [Ms. Ashley Heady](#) (University of Georgia), [Prof. Matthew Madison](#) (University of Georgia)

A unified theory of validity for AI-mediated assessment

» [Dr. Tanesia Beverly](#) (Independent Researcher), [Dr. Xiaoran Li](#) (Independent Researcher)

Bursti-CTVAR: A Bayesian Multilevel Continuous-Time VAR Model for Measurement Burst Designs

» [Ms. Xiaoyue Xiong](#) (The Pennsylvania State University), [Prof. Charles Driver](#) (University of Zurich), [Dr. Zachary Fisher](#) (University of North Carolina at Chapel Hill), [Dr. Sy-Miin Chow](#) (The Pennsylvania State University)



Continued from **Tuesday, 21 July**

Latent Variables in Causal Inference

» Ms. Nanxi Dong (University of Maryland, College Park), Dr. Yang Liu (University of Maryland), Dr. Ji Seung Yang (University of Maryland)

The SGM Advocacy Competence Scale: Scale Development and SEM Validation Grounded in Identity Behavior Theory

» Dr. Jack Simons (Mercy University), Dr. Shujin Zhong (University of North Florida), Dr. Yoko Tanaka (Kio University)

Bias reduction in dynamic factor models for short time series

» Mr. Yuanpeng Hu (University of Notre Dame)

Reconciling theory and practice in reflective measurement: Decomposing loading-dependent bias and restoring structured misfit

» Mr. Miguel Bosch Francisco (Universidad Autónoma de Madrid)

Protective Family Functioning in Intergenerational Depression Networks

» Dr. Min Liu (Baylor University), Dr. Sara Tomek (Baylor University), Dr. Mack Burke (Baylor University)

Measurement and Structural Moderation Effects in Growth Models: A Bayesian Moderated Nonlinear Factor Analysis Approach

» Dr. Suyoung Kim (Gachon University)

Frequently asked questions about label switching

» Mr. Yanjia Geng (University of California, Merced), Dr. Meng Qiu (University of California, Merced)

An Application of MFRM to Rater Effects of BERT-Based AES

» Mr. Junsik Sim (Yonsei University), Prof. Guemin Lee (Yonsei University)

Wednesday, 22 July

9am

Invited Speaker

Auditorium, Baekyang Hall
Chaired by: Prof. Jee-Seon Kim

Leveraging Regression Discontinuity Analysis with Latent Variable Models

» Professor Ji Seung Yang (University of Maryland)

9am

Invited Speaker

Grand Ballroom, The Commons
Chaired by: Prof. Jingchen Liu

New Statistical Frontiers in Cognitive Diagnostic Models: Deep Generative Structures, General Responses, and Tensor Unfolding

» Professor Yuqi Gu (Columbia University)

9:45am

Refreshment Break

10am

Lifetime Career Award

Auditorium, Baekyang Hall
Chaired by: Dr. Chun Wang

From Asymptotic Posterior Normality to Computerized Adaptive Testing and Beyond: Innovations in Adaptive Testing and Personalized Learning Pathways

» Professor Hua-Hua Chang (Purdue University)

11am

Lunch (on your own)

Local establishments

12:30pm

AI and IRT

Auditorium, Baekyang Hall
Chaired by: Dr. Ikkyu Choi



Continued from **Wednesday, 22 July**

12:30pm **Uncovering human-large language model rater effects in writing assessment**

» [Mr. Cheng Tang](#) (University of Georgia), Ms. Jing Li (University of Georgia), Dr. Jiawei Xiong (University of Georgia), Prof. George Engelhard (University of Georgia)

12:45pm **Psychometric Models and the Evaluation of Generative AI Performance**

» [Ms. Ashley Heady](#) (University of Georgia), Prof. Matthew Madison (University of Georgia), Dr. Savannah Thais (Hunter College CUNY)

1pm **Rethinking Loss Functions for Psychometric Property Prediction: An ICC-Centered Approach**

» [Dr. Ikkyu Choi](#) (ETS), Dr. Michael Fauss (ETS)

1:15pm **Prediction of mathematics item difficulty using two-step ensemble model**

» [Dr. YoungKoung Kim](#) (College Board), Ms. Kinny Mu (College Board)

1:30pm **Assessing Fairness and Measurement Invariance in AI-Based Automated Scoring**

» Dr. Ummugul Bezirhan (TIMSS and PIRLS International Study Center at Boston College), [Dr. Ji Yoon Jung](#) (TIMSS and PIRLS International Study Center at Boston College), Dr. Matthias von Davier (TIMSS and PIRLS International Study Center at Boston College)

12:30pm **Advances in Psychometrics and Measurement**

B125, Ballroom, The Commons
Chaired by: Dr. Daniel Bolt

12:30pm **Proficiency-Related Slipping and Guessing**

» [Dr. Daniel Bolt](#) (University of Wisconsin - Madison), Mr. Lionel Meng (University of Wisconsin - Madison)

12:45pm **A reliability-corrected adjusted R-squared for latent regression**

» [Dr. Paul Jewsbury](#) (Duolingo, Inc.), Dr. Alexander Tsigler (Duolingo, Inc.), [Dr. J.R. Lockwood](#) (Duolingo, Inc.)

1pm **Accounting for Skewness in Psychometrics: The Bayesian Skew-Normal IRT Family**

» [Dr. Jorge Bazán](#) (Pontificia Universidad Católica de Chile)

1:15pm **Two Watches: Measurement Error Models for Discrepant Test Score Trends**

» [Prof. Andrew Ho](#) (Harvard University)

1:30pm **Measurement model evaluation: Beyond statistical models**

» [Prof. Mark Wilson](#) (University of California, Berkeley), Dr. Yukie Toyama (University of California, Berkeley)

12:30pm **Process Data**

B126, Ballroom, The Commons
Chaired by: Dr. Susanne Frick

12:30pm **Cross-classified hidden markov models for analyzing response strategies**

» [Dr. Susanne Frick](#) (TU Dortmund University)

12:45pm **A joint model for responses and response times with category-specific heterogeneity**

» [Dr. Xinyu Zhang](#) (Northeast Normal University), Prof. Xiangbin Meng (Northeast Normal University)

1pm **Psychology-Informed Variational Recurrent Autoencoders for 'Exploratory Factor Analysis' of Process Data**

» [Dr. Denis Federiakin](#) (Johannes Gutenberg University Mainz), Prof. Olga Zlatkin-Troitschanskaia (Johannes Gutenberg University Mainz), Prof. Lidia Dobria (Wilbur Wright College, Chicago, IL)

1:15pm **When conditioning causes bias: Endogeneity in time-augmented item response models**

» [Dr. Weicong Lyu](#) (University of Macau), Dr. Mingya Huang (The University of Chicago)



Continued from **Wednesday, 22 July**

1:30pm **Item response modeling for online learning engagement with PCM analysis**
 » [Ms. Pin Hui Jiang](#) (National Taiwan Normal University), Prof. Po-Hsi Chen (National Taiwan Normal University)

12:30pm **Cognitive Diagnostic Models**
B145, The Commons
 Chaired by: Dr. Jia Liu

12:30pm **Scalable Text-Embedding-informed Cognitive Diagnosis of Large Language Models**
 » [Dr. Jia Liu](#) (Columbia University), Mr. Zhiyu Xu (Columbia University), Dr. Yuqi Gu (Columbia University)

12:45pm **TRACE-Q: A multi-agent LLM pipeline for responsible Q-matrix construction**
 » [Mr. Weixuan Xiao](#) (Teachers College, Columbia University), Dr. Chia-Yi Chiu (Teachers College, Columbia University), Dr. Charles Lang (Teachers College, Columbia University)

1pm **Aligning LLM-Generated Responses with Real Examinees: A Cognitive Diagnostic Profiling Approach**
 » [Mr. Wenjie Zhou](#) (University of California, Berkeley), Ms. Yunting Liu (University of California, Berkeley), Prof. Mark Wilson (University of California, Berkeley)

1:15pm **Identifying attribute hierarchies in cognitive diagnosis: A stepwise framework integrating graph-theoretic clustering and constrained DAG learning**
 » [Ms. Hyunjoo Kim](#) (University of Illinois Urbana-Champaign), Prof. Hans-Friedrich Koehn (University of Illinois Urbana-Champaign)

1:30pm **Multilayer Q-Matrix-Embedded Neural Network for Cognitive Diagnosis (M-QCDNet): Structure-Aware Deep Learning Architecture for Psychometric Interpretability**
 » [Ms. Yiyao Yang](#) (Columbia University)

12:30pm **Bayesian**
B146, The Commons
 Chaired by: Dr. Inhan Kang

12:30pm **Approximate Bayesian inference for SEM: The INLA approach**
 » [Dr. Haziq Jamil](#) (King Abdullah University of Science and Technology), Prof. Håvard Rue (King Abdullah University of Science and Technology)

12:45pm **Selection of Random Effects in Intensive Longitudinal Data Analysis**
 » [Ms. Lijin Zhang](#) (Stanford University), Prof. Esther Ulitzsch (University of Oslo), Prof. Yuyin Wang (Sun Yat-sen University), Prof. Junhao Pan (Sun Yat-sen University), Prof. Ben Domingue (Stanford University)

1pm **Ultimate Pólya Gamma Samplers for Rank-2PL IRT models**
 » [Dr. Xue Zhang](#) (Northeast Normal University)

1:15pm **Decomposing Responses and Response Times into Latent Traits and Response Style by Integrating Psychometric and Computational Modeling**
 » [Dr. Inhan Kang](#) (Yonsei University)

1:30pm **Sparse Error Covariance Estimation in Confirmatory Factor Analysis**
 » [Dr. Yi Jin](#) (The Education University of Hong Kong), Prof. Jinsong Chen (University of Hong Kong)

12:30pm **Validity and Reliability**
B147, The Commons
 Chaired by: Dr. Veronica Cole

12:30pm **The psychometrics of prejudice and stereotypes: Evaluating the measurement**
 » [Ms. Anna Kubelková](#) (Institute of Psychology, Czech Academy of Sciences), Dr. David Lacko (Institute of Psychology, Czech Academy of Sciences), Dr. Simona Olhová (Institute of Psychology, Czech Academy of Sciences), Dr. Adam Klocek (Institute of Psychology, Czech Academy of Sciences), Prof. Sylvie Graf (Institute of Psychology, Czech Academy of Sciences)



Continued from **Wednesday, 22 July**

- 12:45pm **Revisiting the Structural Aspect of Validity: Relational Geometry and Structural Evaluation in Automated Assessment**
 » [Mr. Nam Keol Kim](#) (Yonsei University), Dr. Ji Hoon Ryoo (Yonsei University)
- 1pm **Simpson's Paradox, Aggregation Issues, and Score Interpretations**
 » [Dr. Paul Westrick](#) (Retired)
- 1:15pm **Combining aggregated probability and non-probability estimates for continuous outcomes**
 » [Mrs. Ilaria Francesca Lunardelli](#) (Tilburg University), Prof. Ton de Waal (Tilburg University), Dr. Lizbeth Burgos-Ochoa (Tilburg University), Dr. Sander Scholtus (Statistics Netherlands)
- 1:30pm **Response styles in measures of affect dynamics: A multilevel IRT approach**
 » [Dr. Veronica Cole](#) (Wake Forest University), Dr. James Soland (University of Virginia), Dr. Christian Waugh (Wake Forest University)
- 12:30pm **Multivariate Analysis**
Room 101, School of Management
 Chaired by: Dr. Tom Wilderjans
- 12:30pm **Fusing real-valued three-way data with binary two-way data with Parafac-logPCA**
 » [Dr. Tom Wilderjans](#) (Leiden University), Dr. Elisa Frutos-Bernal (Universidad de Salamanca)
- 12:45pm **Exploring multiverse analyses using decision trees**
 » [Mr. Michael Truong](#) (York University), Mr. Gabriel Crone (York University), Dr. Ji Yeh Choi (Canadian University Dubai)

- 1pm **Comparison of three different scale types on marketing research**
 » [Ms. Anni Yeh](#) (National Taiwan Normal University), Prof. Yao-Ting Sung (National Taiwan Normal University), Prof. Po-Hsi Chen (National Taiwan Normal University), Prof. Yung-Cheng Shen (National Taiwan Normal University), Prof. Yeh-Tai Chou (National Taiwan Normal University)
- 1:15pm **Evaluating Profile Interpretability Under Continuous Latent Structure: A Confirmatory Factor Mixture Approach**
 » [Ms. Siyuan Chen](#) (University of California, Santa Barbara), Dr. Karen Nylund-Gibson (University of California, Santa Barbara)
- 1:30pm **Optimising population-structure models in international large-scale assessments**
 » [Dr. Han Hui Por](#) (Australian Council for Educational Research), Dr. Paul Jewsbury (Duolingo, Inc.)
- 12:30pm **Network Psychometrics**
Room 102, School of Management
 Chaired by: Dr. Eunsoo Lee
- 12:30pm **Why Ordinal Data Can Create Spurious Edges in Psychological Networks**
 » [Dr. Kai Jannik Nehler](#) (Department of Psychology, Goethe University, Frankfurt and Department of Psychology, HMU Health and Medical University Erfurt), Dr. Julien Patrick Irmer (Institute of Psychology, University of Freiburg, Freiburg), Prof. Martin Schultze (Department of Psychology, Goethe University, Frankfurt)
- 12:45pm **Retest Effects in Dynamic Network Models**
 » [Mr. Hyungeun Oh](#) (The Pennsylvania State University), Dr. Sy-Miin Chow (The Pennsylvania State University), Dr. Michael Hunter (The Pennsylvania State University), Dr. Zita Oravecz (The Pennsylvania State University)
- 1pm **A comparison of estimation methods for ordinal data in psychometric networks**
 » [Dr. Eunsoo Lee](#) (Korea Employment Information Service), Prof. Sehee Hong (Korea university)



Continued from **Wednesday, 22 July**

- 1:15pm **Dimensionality recovery across structural regimes: From stochastic block models to Gaussian graphical representations**
 » [Mr. Chi-Yun Deng](#) (Department of Psychology, National Chengchi University), Prof. Hsiu-Ting Yu (National Chengchi University)
- 1:30pm **A Regularized Maximum Likelihood Estimation of High-dimensional Network Models with Dynamic Latent Variables in the Context of Intensive Longitudinal Data**
 » [Mr. Vivato Andriamarana](#) (Tübingen University), Mr. Kevin Kistermann (University of Tübingen), Dr. Pascal Kilian (University of Tübingen), Prof. Augustin Kelava (Tübingen University)
- 12:30pm **Causal Inference**
Room 103, School of Management
 Chaired by: Dr. Lizbeth Burgos-Ochoa
- 12:30pm **Detecting Hidden Confounders in Linear Non-Gaussian Models: A Comparison of Eight Tests of Independence**
 » [Ms. Guyin Zhang](#) (University of South Carolina), Dr. Dexin Shi (University of South Carolina), Dr. Amanda Fairchild (University of South Carolina)
- 12:45pm **Causal Mediation Analysis under Post-Treatment Confounding with Natural Effect Models**
 » [Dr. Lizbeth Burgos-Ochoa](#) (Tilburg University)
- 1pm **Does X at time 1 cause Y at time 2? longitudinal causal learning with hidden confounders**
 » [Dr. Dexin Shi](#) (University of South Carolina), Dr. Wolfgang Wiedermann (University of Missouri), Dr. Amanda Fairchild (University of South Carolina), Dr. Bo Zhang (University of Illinois Urbana-Champaign)

- 1:15pm **Two-stage Bayesian and frequentist methods for synthesizing findings about the indirect effect in single case mediation analysis**
 » [Dr. Milica Miocevic](#) (McGill University), Dr. Mariola Moeyaert (University at Albany, State University of New York), Ms. Sofia Maiz (McGill University), Dr. Matthew Valente (University of South Florida)
- 1:30pm **Conditional instrumental variable estimation in functional linear structural equation models**
 » [Dr. Michio Yamamoto](#) (The University of Osaka)
- 12:30pm **Novel Applications**
S504, 5th Floor, Baekyang Hall
 Chaired by: Dr. Jaroslav Hlinka
- 12:30pm **Complementing Measurement Decision Theory Using Bayesian Knowledge Tracing**
 » [Dr. Youngjun Lee](#) (The American Board of Anesthesiology), Dr. Susan Hibbard (The American Board of Anesthesiology)
- 12:45pm **Assessing data quality in standard setting through detection of nonadditivity**
 » [Dr. Cary Lin](#) (National Council of State Boards of Nursing (NCSBN)), Prof. Jinming Zhang (University of Illinois at Urbana-Champaign)
- 1pm **Time Centering and Unique Effect Partitioning in Parallel Processing Model**
 » [Ms. Xiaoyu Yang](#) (Texas A&M University), Mr. Oi-Man Kwok (Texas A&M University), Mr. Timothy Elliott (Texas A&M University)
- 1:15pm **Time-varying mediation effects for time-varying treatments with covariates**
 » [Dr. Donna Coffman](#) (University of South Carolina)
- 1:30pm **On seeking the soul in brain connectivity graphs: A Methodological Perspective On Personality Neuroscience**
 » [Dr. Jaroslav Hlinka](#) (Institute of Computer Science of the Czech Academy of Sciences)
- 1:45pm **Walking Break**



Continued from **Wednesday, 22 July**

2pm **Symposium: Causal Models, Artificial Intelligence, and Machine Learning**
Auditorium, Baekyang Hall
Chaired by: Dr. Peter Steiner

2pm **Causal pathways of bias in educational algorithmic decision-making: Identification and mitigation using DAGs**
» [Dr. Soo Jung La](#) (Seoul National University), Prof. Yongnam Kim (Seoul National University)

2:15pm **Integrating Double Selection into Doubly Robust Estimators for Causal Inference**
» [Mr. Muwon Kwon](#) (University of Maryland, College Park), Dr. Peter Steiner (University of Maryland, College Park)

2:30pm **Augmenting Structured Survey Responses with Textual Data in Causal Research**
» [Prof. Lee-Seon Kim](#) (University of Wisconsin - Madison), Dr. Lingbo Tong (University of Wisconsin - Madison), Ms. Madison Chambers (Michigan State University)

2:45pm **From Noisy Estimates to Reliable Decisions: Shrinking Individual Treatment Effects for Targeted Interventions**
» [Mr. Graham Buhrman](#) (University of Wisconsin - Madison), Prof. Jee-Seon Kim (University of Wisconsin - Madison)

2pm **Symposium: Intersectionality in Psychometrics**
B125, Ballroom, The Commons
Chaired by: Prof. Irini Moustaki

2pm **Intersectionality in Psychometrics**
» [Prof. Irini Moustaki](#) (London School of Economics)

2:15pm **Quantitative Methods for Detecting Intersectional Differential Item Functioning**
» [Dr. Chun Wang](#) (University of Washington)

2:30pm **Intersectional construct validity: Modeling structure and invariance**
» [Dr. Dakota Cintron](#) (Claremont Graduate University)

2:45pm **Beyond Demographic Interactions: Sociological Insights on Socio-structural Intersectionality**
» [Prof. Ji Hye Kim](#) (Sogang University)

2pm **Symposium: Model calibration under practical constraints**
B126, Ballroom, The Commons
Chaired by: Dr. Shiyu Wang

2pm **Constructing Interpretable Scaling Models in Large-Scale Assessments**
» [Mr. Motonori Oka](#) (London School of Economics), Prof. Yunxiao Chen (London School of Economics), Dr. Matthias von Davier (TIMSS & PIRLS International Study Center at Boston College)

2:15pm **Variational Estimation for Multidimensional Item Response Theory under General Latent Variable Distributions**
» Mr. Taoyi Chen (University of Michigan, Ann Arbor), [Mr. Chengyu Cui](#) (University of Michigan, Ann Arbor), Dr. Chun Wang (University of Washington), Prof. Gongjun Xu (University of Michigan, Ann Arbor)

2:30pm **Adaptive two-point design for online item calibration**
» [Mr. Jie Zhang](#) (Jiangxi Normal University), Dr. Shiyu Wang (University of Georgia), Dr. Zichu Liu (Georgia State University), Prof. Zhaosheng Luo (Jiangxi Normal University)

2:45pm **Uncovering Residual Structure with Variational Autoencoders**
» [Mr. Longfei Zhang](#) (Beijing Normal University), Prof. Ping Chen (Beijing Normal University), Ms. Yingshi Huang (University of California, Los Angeles), Prof. Minjeong Jeon (University of California, Los Angeles)

3pm **Calibrating Item Response Theory Models with Limited Samples and Sparse Response Data**
» Dr. Shiyu Wang (University of Georgia), Mr. Cong Cheng (University of Georgia), [Dr. Yuan Ke](#) (University of Georgia), Dr. Zichu Liu (Georgia State University)



Continued from **Wednesday, 22 July**

2pm **Cognitive Diagnostic Models**
B145, The Commons
 Chaired by: Prof. Jimmy de la Torre

2pm **Evaluating IRT and CDM models and Q-matrix via Predictive Metrics**
 » [Dr. Miguel A. Sorrel](#) (Universidad Autónoma de Madrid), Mrs. Anzhelika Stankova (Universidad Autónoma de Madrid), Mr. Diego Iglesias (Universidad Autónoma de Madrid)

2:15pm **Dual-Threshold Adaptive Learning Assessment**
 » [Dr. Sangbeak Ye](#) (Florida Atlantic University)

2:30pm **Impact of Discrimination Configurations on Classification Accuracy of Polytomous Attributes**
 » Mr. Zechu Feng (University of Hong Kong), [Prof. Jimmy de la Torre](#) (University of Hong Kong)

2:45pm **Bayesian Variable Selection of Attribute- and Item-level Covariates in DCMs with Attribute Hierarchies**
 » [Dr. Alfonso Martinez](#) (Fordham University), Mr. Fabio Setti (Fordham University), Ms. Zhixing Liu (Fordham University), Ms. Zixi Chen (Fordham University)

3pm **Nonparametric Classification for Multiple-Choice Diagnostic Classification Models Using a Vectorized Approach**
 » [Dr. Kentaro Fukushima](#) (The University of Osaka), Dr. Kensuke Okada (The University of Tokyo)

2pm **Computerized Adaptive Tests**
B146, The Commons
 Chaired by: Dr. Hyeon-Ah Kang

2pm **Distinguishing subject-matter proficiency from digital navigation proficiency in computer-based tests**
 » [Ms. Eunjung Myoung](#) (Stanford University), Ms. Hyemin Park (University of California, Berkeley), Ms. Hansol Lee (Stanford University)

2:15pm **Evaluating Item Utility for Technology-Enhanced Adaptive Testing**
 » [Dr. Hyeon-Ah Kang](#) (University of Texas at Austin)

2:30pm **Sequential change point detection in adaptive measure of change**
 » [Mr. Raj Wahlquist](#) (University of Minnesota - Twin Cities), Dr. David Weiss (University of Minnesota - Twin Cities)

2:45pm **Calibration-free CD-CAT for graded attribute profiles**
 » [Prof. Youn Seon Lim](#) (University of Cincinnati)

3pm **Multidimensional computer adaptive testing with different directional composites.**
 » [Dr. Damon Bryant](#) (Morgan State University), Mr. Christopher Green (Morgan State University), Dr. Janine Haynes (Morgan State University), Dr. Kahlil King (University of Baltimore)

2pm **Patient-Reported Outcomes**
B147, The Commons
 Chaired by: Dr. Emily Ho

2pm **Radiotherapy dose-finding to balance efficacy-toxicity and toxicity-toxicity trade-offs in head and neck cancer**
 » [Dr. Daniel Glazar](#) (Moffitt Cancer Center & Research Institute), Mr. Ryan Werthmann (Moffitt Cancer Center & Research Institute), Dr. Renee Brady-Nicholls (Moffitt Cancer Center & Research Institute)

2:15pm **Impact of exposure control on the efficiency and score precision of PROMIS computer adaptive testing**
 » [Dr. Minji Lee](#) (Mayo clinic)

2:30pm **Measuring Construct Severity in the Presence of Filter Items**
 » [Dr. Brooke Magnus](#) (Boston College)



Continued from **Wednesday, 22 July**

2:45pm **Prior-Driven Identification in a Two-Test Latent Class Model: Evaluating Diagnostic Accuracy of the PROMIS Mental Health Scale for Depression in Absence of a Reference Standard**

» [Mr. Paul Petzold](#) (Charité - Universitätsmedizin Berlin), Dr. Brittany Lapin (Cleveland Clinic Research), Dr. Felix Fischer (Charité - Universitätsmedizin Berlin)

3pm **Norming of the NIH Toolbox Cognition Battery Version 3**

» [Dr. Emily Ho](#) (Northwestern University), Dr. Y. Catherine Han (Northwestern University), Dr. Erica LaForte (Northwestern University), Dr. Aaron J. Kaat (Northwestern University), Dr. Elizabeth M. Dworak (Northwestern University), Dr. Berivan Ece (Northwestern University), Dr. Lihua Yao (Northwestern University), Dr. James Olsen (Northwestern University), Dr. Richard C. Gershon (Northwestern University)

2pm **Machine Learning**

Room 101, School of Management

Chaired by: Dr. HyeSun Lee

2pm **Disparity Impact Remover using Balanced Error Rate in DIF Contexts**

» [Dr. HyeSun Lee](#) (California State University Channel Islands), Dr. Weldon Smith (California State University Channel Islands)

2:15pm **High-Dimensional Multilevel Variable Selection: Post-Selection Inference versus glmLasso**

» [Mr. Sungmin Lee](#) (Korea National University of Education), Prof. Jin Eun Yoo (Korea National University of Education)

2:30pm **A Simulation Study of Machine Learning Approaches to Network Community Detection**

» [Mr. Jingyang Li](#) (University of Georgia), Prof. Zhenqiu Lu (University of Georgia)

2:45pm **Principal Covariate Regression with Nuclear Norm Penalty**

» [Mr. Kaiwen Liu](#) (Leiden University), Dr. Wouter Weeda (Leiden University), Prof. Mark de Rooij (Leiden University)

3pm **A unified regularized estimation framework for item response theory models**

» [Mr. Pengyuan Yang](#) (Tilburg University), Dr. Wilco Emons (Tilburg University), Dr. Felix Clouth (Tilburg University), Prof. Katrijn Van Deun (Tilburg University)

2pm **Estimation and Computational Methods**

Room 102, School of Management

Chaired by: Dr. Sean Joo

2pm **A Conditional Exact Inference Method for Detecting DIF under Small Sample Sizes**

» [Dr. Xiang Liu](#) (ETS), Dr. Mo Zhang (ETS)

2:15pm **Validity Evidence for the Joint Thurstonian Models**

» [Dr. Che Cheng](#) (National Taiwan University), Mr. Hau-Hung Yang (National Taiwan University), Prof. Yung-Fong Hsu (National Taiwan University), Prof. Keng-Ling Lay (National Taiwan University)

2:30pm **Efficient estimation of trait scores in Thurstonian IRT models using optimal experimental designs**

» [Prof. Heinz Holling](#) (University of Münster)

2:45pm **Comparing IRT Scoring Approaches for Graded Multidimensional Forced-Choice Measures**

» Dr. Lavanya Kumar (Graduate Management Admission Council), [Dr. Sean Joo](#) (University of Kansas), Dr. Stephen Stark (University of South Florida)

3pm **Analysis of local influence and person-fit for item response models**

» [Mr. Ryan Lerch](#) (University of California, Los Angeles)

2pm **Computation and Prediction**

Room 103, School of Management

Chaired by: Dr. Xin Qiao



Continued from **Wednesday, 22 July**

- 2pm **Beyond normality: Can we identify true latent structure in IRT?**
» [Dr. Xin Qiao](#) (University of South Florida), Dr. Cornelis Potgieter (Texas Christian University)
- 2:15pm **Relative importance analysis of categorical predictors**
» [Dr. Xin Gu](#) (East China Normal University)
- 2:30pm **A Machine Learning Framework for Exploratory Bifactor Dimensionality Assessment**
» [Mr. Ahmed Kamala](#) (The University of Manchester), Mr. Todd Hartman (The University of Manchester)
- 2:45pm **Regularized Longitudinal Structural Equation Modeling for Multigroup Panel Data**
» [Mr. Shu-Yu Lin](#) (Tilburg University), Prof. Katrijn Van Deun (Tilburg University), Dr. Joran Jongerling (Tilburg University), Dr. Katharina Loter (Tilburg University)
- 3pm **The Relationship between Formative Assessment test and National Assessment Results**
» [Prof. Eman Al-Ruwaithi](#) (Education and Training Evaluation Commission (ETEC)), Dr. Nasser Resaini (Education and Training Evaluation Commission (ETEC))
- 2pm **Measurement Invariance**
S504, 5th Floor, Baekyang Hall
Chaired by: Ms. Dayeon Lee
- 2pm **Trait score estimates under measurement non-invariance: Bias in correlations and its impact on replicability**
» [Mr. Stefan Inerle](#) (TU Dortmund University), Mr. Felix Hansch (TU Dortmund University), Prof. Eunike Wetzel (RPTU University Kaiserslautern-Landau), Dr. Susanne Frick (TU Dortmund University)

- 2:15pm **Post-Selection Inference for Regularized Measurement Invariance Assessment Using Lasso**
» [Ms. Dayeon Lee](#) (University of Maryland), Prof. Gregory R. Hancock (University of Maryland)
- 2:30pm **The potential of the Latent Space Item Response Model to detect and accommodate DIF**
» [Mr. Vincent Eric Fischer](#) (University of Mannheim), Mr. Timo Seitz (University of Mannheim), Prof. Thorsten Meiser (University of Mannheim)
- 2:45pm **Challenging the chimera: DIF - serious threat to validity or fabulous beast of a psychometric fairytale?**
» [Dr. Safir Yousfi](#) (German Federal Employment Agency)
- 3pm **Detecting the Presence of Person-Specific DIF-Effects with Penalisation Techniques in the Context of CML-Estimation**
» [Mr. Can Gürer](#) (UMIT TIROL - The Tyrolean Private University), Dr. Clemens Daxler (UMIT TIROL - The Tyrolean Private University)
- 3:15pm **Refreshment Break**
- 3:30pm **Item Response Models**
Auditorium, Baekyang Hall
Chaired by: Dr. Kylie Gorney
- 3:30pm **Answer similarity analysis in the Rasch model**
» [Dr. Kylie Gorney](#) (Michigan State University)
- 3:45pm **Effect of Rater Assignment Designs on Measurement Precision in OSCE**
» [Dr. Bowen Wang](#) (National Board of Chiropractic Examiners), Dr. Igor Himelfarb (National Board of Chiropractic Examiners), Dr. Nai-En Tang (National Board of Chiropractic Examiners)
- 4pm **Diffusion Limit of the Two Parameter Logistic Model**
» [Dr. Sourav Majumdar](#) (Indian Institute of Technology Kanpur), Dr. Nivedita Bhaktha (Indian Institute of Technology Kanpur)



Continued from **Wednesday, 22 July**

4:15pm **Bayesian IRT-based continuous norming with the R-package IRTnorm**
 » [Ms. Hannah M. Heister](#) (University of Groningen), Mr. Casper J. Albers (University of Groningen), Ms. Marieke E. Timmerman (University of Groningen)

4:30pm **Revisiting two pathways to asymmetry in IRT models**
 » [Prof. Jorge Gonzalez](#) (Pontificia Universidad Católica de Chile)

3:30pm **Advances in Psychometrics for Automated Scoring: Models, Multimodality, and Methodological Innovations**
B125, Ballroom, The Commons
 Chaired by: Dr. Matthew Johnson

3:30pm **A Bayesian Nonparametric Model for Automated Scoring**
 » [Dr. Xiang Liu](#) (ETS), Dr. Michael Fauss (ETS)

3:45pm **Automated Multimodal Response Evaluation Leveraging Foundation Models and Cross-Attention**
 » Dr. Akshay Badola (ETS), [Dr. Ikkyu Choi](#) (ETS)

4pm **Integrating Automated Scoring and IRT Calibration: Toward a Single-Stage Approach**
 » [Dr. Matthew Johnson](#) (ETS)

3:30pm **Panel Discussion**
B126, Ballroom, The Commons
 Chaired by: Dr. Karoline Huth

3:30pm **Standards, transparency, and responsibility in methodological research-The role of quantitative psychologists within the broader scientific community**
 » [Dr. Karoline Huth](#) (University of Amsterdam), Dr. Mijke Rhemtulla (University of California, Davis), Dr. Sacha Epskamp (National University of Singapore), Prof. Mirka Henninger (University of Basel), Prof. Minjeong Jeon (University of California, Los Angeles), Prof. Nidhi Kohli (University of Minnesota - Twin Cities), Dr. Jonathan Park (University of California, Davis)

3:30pm **Cognitive Diagnostic Models**
B145, The Commons
 Chaired by: Dr. Yon Soo Suh

3:30pm **Q-matrix source effects on local dependence and diagnostic inference**
 » [Mr. Muhamad Firdaus Mohd Noh](#) (Universiti Kebangsaan Malaysia), Prof. Mohd Effendi Ewan Mohd Matore (Universiti Kebangsaan Malaysia), Dr. Nur Ainil Sulaiman (Universiti Kebangsaan Malaysia)

3:45pm **Unified Nonparametric Cognitive Diagnosis Framework for Polytomous Attributes**
 » [Ms. Hyunjee Oh](#) (Teachers College, Columbia University), Dr. Chia-Yi Chiu (Teachers College, Columbia University)

4pm **Dynamic Attribute Hierarchies in Cognitive Diagnostic Models: A Continuous Latent Variable Approach**
 » [Dr. Jeongmin Ji](#) (Korea Institute for Curriculum and Evaluation)

4:15pm **Deep Discrete Encoders for Identifiable Generative Modeling**
 » [Mr. Seunghyun Lee](#) (Columbia University), Dr. Yuqi Gu (Columbia University)

4:30pm **Edge-level inference for prerequisite structures in attribute hierarchies**
 » [Dr. Yon Soo Suh](#) (NWEA, a division of HMH)

3:30pm **Multilevel**
B146, The Commons
 Chaired by: Dr. Ehri Ryu



Continued from **Wednesday, 22 July**

- 3:30pm **Level-specific and source-specific R-squared measures in cross-classified multilevel models**
 » [Ms. Yingchi Guo](#) (University of British Columbia), Dr. Jason Rights (University of British Columbia)
- 3:45pm **R-squared difference in multilevel models**
 » [Dr. Ehri Ryu](#) (Boston College)
- 4pm **A Multilevel Modeling Approach to Network Diffusion in Alzheimer's Disease**
 » [Ms. Hyeonseong Lee](#) (University of Maryland College Park, Quantitative Methodology: Measurement & Statistics), Dr. Tracy Sweet (University of Maryland College Park, Quantitative Methodology: Measurement & Statistics), Dr. Selena Wang (Indiana University School of Medicine, Department of Biostatistics and Health Data Science)
- 4:15pm **Robustness of multilevel models to violations of multivariate normality**
 » [Mr. Haoyang Chen](#) (University of British Columbia), Dr. Edward Kroc (University of British Columbia)
- 4:30pm **Context-dependent scoring in EdTech: A mixed-effects approach to hint penalty calibration**
 » [Dr. Dmitry Abbakumov](#) (Foxford)
- 3:30pm **Equating**
B147, The Commons
 Chaired by: Dr. Weldon Smith
- 3:30pm **Addressing covariate measurement differences in Generalized Kernel Equating under the NEC design**
 » [Ms. Michaela Vařejková](#) (Institute of Computer Science of the Czech Academy of Sciences, Charles University), Prof. Patrícia Martinková (Institute of Computer Science of the Czech Academy of Sciences), Ms. Eva Potužníková (Charles University)

- 3:45pm **Stability of scale transformations in multi-group IRT calibration**
 » [Ms. Dogyeong Kim](#) (Department of Psychology, College of Social Science, Hallym University), Prof. Dong Gi Seo (Department of Psychology, College of Social Science, Hallym University)
- 4pm **Divergence-Based Estimation of Item Response Theory Equating Coefficients**
 » [Ms. Satoko Imaizumi](#) (The University of Tokyo), Dr. Kensuke Okada (The University of Tokyo)
- 4:15pm **Linking Dichotomous and Continuous: Item Characteristic and Test Characteristic Curves**
 » [Dr. Weldon Smith](#) (California State University Channel Islands), Dr. HyeSun Lee (California State University Channel Islands)
- 4:30pm **Implementing statistical equating using Item Response Theory for standard setting in a high-stakes licensure examination setting.**
 » [Dr. Neil Rice](#) (Kaplan Assessments)
- 3:30pm **Artificial Intelligence and Machine Learning**
Room 101, School of Management
 Chaired by: Dr. Jungmin Lee
- 3:30pm **Deep learning-based early detection of stress-induced physical activity decline**
 » [Ms. Young Won Cho](#) (The Pennsylvania State University), Dr. Sy-Miin Chow (The Pennsylvania State University), Dr. Steriani Elavsky (University of Ostrava)
- 3:45pm **Leveraging Machine Learning for Clustered Data: Model Development and Application to Examining the Impact of COVID-19 on Student Mathematics Achievement**
 » [Dr. Xuelan Qiu](#) (City University of Macau), Ms. Jin Yuan (Lanzhou University), Dr. Jinran Wu (University of Queensland), Prof. Weide Li (Lanzhou University), Dr. Jiesi Guo (Australian Catholic University), Prof. Frederick K. S. Leung (Beijing Normal University)
- 4pm **Explainable AI requires explainable data first**
 » [Ms. Jinyoung Kim](#) (Korea University), Prof. Taehun Lee (Korea University)



Continued from **Wednesday, 22 July**

- 4:15pm **Identifying High-Risk Youth NEET Trajectories in Korea: Time-Aware Modeling with Linked Administrative Data**
» [Dr. Jungmin Lee](#) (Korea Labor Institute)
- 4:30pm **Interpretable affect forecasting using Personal Embedding-Based Convolutional Attention Neural Network**
» [Mr. Jyotirmoy Nirupam Das](#) (The Pennsylvania State University), Dr. Sy-Miin Chow (The Pennsylvania State University), Ms. Young Won Cho (The Pennsylvania State University), Dr. Soundar Kumara (The Pennsylvania State University)
- 3:30pm **Latent Class Models**
Room 102, School of Management
Chaired by: Dr. Felix Clouth
- 3:30pm **Stepwise estimation of deep latent class models with covariates**
» [Dr. Felix Clouth](#) (Tilburg University)
- 3:45pm **A Mixture Model for Careless Responding in Repeated Single-Item Measures**
» [Ms. Alicia Gernand](#) (RPTU University Kaiserslautern-Landau), Prof. Tanja Lischetzke (RPTU University Kaiserslautern-Landau), Prof. Esther Ulitzsch (University of Oslo)
- 4pm **Multilevel joint latent class analysis of multi-Informant mental health patterns**
» [Dr. Depeng Jiang](#) (University of Manitoba), Ms. Mst Farzana Akter (University of Manitoba)
- 4:15pm **Identification of careless responses and their patterns in low-stake assessment**
» [Dr. Meereem Kim](#) (Chonnam National University), Dr. Yoonsun Jang (Daegu National University of Education)

- 4:30pm **Nonparametric classification for ordinal items with heterogeneous attribute interactions**
» [Mr. Joemari Olea](#) (University of Texas at Austin), Dr. Hyeon-Ah Kang (University of Texas at Austin)
- 3:30pm **Multilevel**
Room 103, School of Management
Chaired by: Prof. Francesco Scalone
- 3:30pm **Dynamic Modeling of Cognitive Functioning in Later Life: A DSEM Analysis of Social, Economic, and Health Determinants Using SHARE**
» [Prof. Francesco Scalone](#) (University of Bologna)
- 3:45pm **Position dependent item parameters in randomized test designs**
» [Dr. Nivedita Bhaktha](#) (Indian Institute of Technology Kanpur), Dr. Sourav Majumdar (Indian Institute of Technology Kanpur)
- 4pm **Single-Item Reliability for Intensive Longitudinal Data**
» [Mr. Tzu-Yao Lin](#) (KU Leuven), Prof. Francis Tuerlinckx (KU Leuven), Prof. Sophie Vanbelle (Maastricht University)
- 4:15pm **EIRM with glmLasso for Large-Scale Assessment in Education**
» [Mr. Hyeong Gwan Kim](#) (Korea National University of Education), Prof. Jin Eun Yoo (Korea National University of Education)
- 4:30pm **Leveling up? The impact of nested data and modeling decisions on ability estimates**
» [Mr. Himilcon Inciarte](#) (University of California, Berkeley), Prof. Sophia Rabe-Hesketh (University of California, Berkeley), Ms. Qing Cai (University of California, Berkeley)
- 3:30pm **Measurement Invariance**
S504, 5th Floor, Baekyang Hall
Chaired by: Dr. Yu-Wei Chang
- 3:30pm **Itemwise and global equivalence testing for DIF in Rasch models**
» [Mr. David Kronthaler](#) (University of Zurich), Dr. Carolin Strobl (University of Zurich)



Continued from **Wednesday, 22 July**

3:45pm **Bayesian inference with spike-and-slab priors for differential item functioning detection in a multiple-group IRT tree model**

» [Dr. Yu-Wei Chang](#) (National Chengchi University)

4pm **The Effects of Regularization and Algorithm Settings to EGA in DIF Assessment**

» [Dr. Chi-Chen Chen](#) (National Academy for Educational Research), Prof. Ching-Lin Shih (National Sun Yat-sen University), Dr. Kuan-Yu Jin (Hong Kong Examinations and Assessment Authority)

4:15pm **The Impact of Slow Non-effortful Responding on Differential Item Functioning**

» [Ms. Wei-Chia Su](#) (National Sun Yat-sen University)

4:30pm **Operational Definitions as Measurement Models**

» [Dr. David Woollard](#) (Standard AI), Mr. Igor Moiseev (Standard AI)

4:45pm **Walking Break**

5pm **Symposium: AI and machine learning**

Auditorium, Baekyang Hall

Chaired by: Dr. Qiwei He

5pm **Advancing Sequential Process Data Clustering with Image Processing in Interactive Assessments**

» [Dr. Qiwei He](#) (Georgetown University), Ms. Binhui Chen (Georgetown University)

5:15pm **Model Fit and Parameter Uncertainty in Variational Autoencoder Based Latent Variable Models**

» [Mr. Karel Veldkamp](#) (University of Amsterdam)

5:30pm **Agentic Automated Item Generation: A Framework and Evaluation**

» [Dr. Rudolf Debelak](#) (University of Zurich / EPFL), Mr. Rasmus Jensen (ETH Zurich / IBE)

5:45pm **An AI Chatbot for Sleep Promotion**

» [Prof. Jingchen Liu](#) (Columbia University), Prof. Xiaoyue Liu (New York University)

5pm **Symposium: AI-Driven Prediction of Item Parameters in Large-Scale Diagnostic Assessment**

B125, Ballroom, The Commons

Chaired by: Prof. Jae-Chun Ban

5pm **Predicting Item Parameter Categories Using Content and GenAI Linguistic Features**

» [Dr. Hyung Jin Kim](#) (National Council of State Boards of Nursing (NCSBN)), Mr. Young-Chan Lee (Chungnam National University)

5:15pm **Item Difficulty Prediction Using LLM-derived Item Text Features**

» [Mr. Seungwon Shin](#) (The University of Iowa), Ms. Mikyung Lee (Chungnam National University)

5:30pm **IRT Scoring with Machine-Learning-Predicted Item Parameters: An Iterative Parameter Updating Approach**

» [Prof. Won-Chan Lee](#) (The University of Iowa), Prof. Stella Kim (University of North Carolina at Charlotte), Ms. Yeonju Lee (The University of Iowa), Mr. Seungwon Shin (The University of Iowa)

5:45pm **A Comparative Study of Machine Learning Models for Predicting Item Difficulty in Korean Language Basic Academic Skills Assessments Using Expert-Extracted Item Features**

» [Prof. Jae-Chun Ban](#) (Chungnam National University), Dr. Sun Kim (Chungnam National University), Ms. Eunbin Kim (Chungnam National University), Ms. Yewon Park (Chungnam National University)

6pm **Evaluating Inferential Statistics Filtering for Feature Selection in High-Dimensional Data for Euclidean Distance-Based Item Parameter Prediction**

» [Ms. Yeonju Lee](#) (The University of Iowa), Mr. Juyoung Jung (The University of Iowa)

5pm **Symposium: Advances in Bayesian SEM**

B126, Ballroom, The Commons

Chaired by: Dr. Xinya Liang



Continued from **Wednesday, 22 July**

5pm **Frequentist and Bayesian fit when assumption in LBCM is violated**
 » [Dr. Chunhua Cao](#) (University of Alabama), Mr. Christopher Ocheni (University of Alabama), Mr. Daniel Oyeniran (University of Alabama)

5:15pm **Residual variance non-invariance in latent change score models: A comparison of maximum likelihood and bayesian estimation**
 » [Mr. Gregg Campbell](#) (Florida State University), Dr. Yanyun Yang (Florida State University)

5:30pm **Bayesian nonparametric approach to nonlinear multiple mediation analysis**
 » [Ms. Siyi Wang](#) (Department of Psychology, Sun Yat-sen University), Mr. Qijin Chen (Department of Psychology, Sun Yat-sen University), Prof. Junhao Pan (Sun Yat-sen University), Prof. Edward H. Ip (Department of Biostatistical Sciences and the Department of Social Sciences & Health Policy, Wake Forest School of Medicine, Winston-Salem, NC, USA)

5:45pm **Bayesian latent mediation regularization via LASSO, horseshoe, spike-and-slab**
 » [Dr. Ethan Harris](#) (University of Arkansas), Dr. Xinya Liang (University of Arkansas)

6pm **Kullback-Leibler and Jensen-Shannon divergences as Bayesian discrepancy functions for SEM**
 » Mr. Ejike Edeh (University of Arkansas), [Dr. Xinya Liang](#) (University of Arkansas)

5pm **Symposium: Advances in Intensive Longitudinal Data Analysis**
B145, The Commons
 Chaired by: Mr. Bing Cai Kok

5pm **Network Mapping with Implicit Gradients**
 » [Mr. Bing Cai Kok](#) (University of North Carolina at Chapel Hill), Dr. Zachary Fisher (University of North Carolina at Chapel Hill), Dr. Kathleen Gates (University of North Carolina at Chapel Hill)

5:15pm **Adaptive structural equation modeling for idiographic dynamic processes via meta-learning**
 » [Ms. Chaewon Lee](#) (University of North Carolina at Chapel Hill), Dr. Kathleen Gates (University of North Carolina at Chapel Hill)

5:30pm **Measuring Dynamics with Static Tools: Ising-Generated Data Challenges Classical Psychometrics and Temporal Invariance**
 » [Ms. Sigi Sun](#) (University of Virginia), Ms. Lindley Slipetz (University of Virginia), Dr. Teague Henry (University of Virginia)

5:45pm **Hierarchical Reliability and Stability of Dynamic Functional Connectivity in Multi-Session, Multi-Subject fMRI**
 » [Dr. Ai Ye](#) (Max Planck Institute for Human Development), Dr. Claire Pauley (Max Planck Institute for Human Development), Ms. Kim Falkenstein (Max Planck Institute for Human Development), Prof. Simone Kühn (Max Planck Institute for Human Development), Prof. Ulman Lindenberger (Max Planck Institute for Human Development)

5pm **AI and Validity**
B146, The Commons
 Chaired by: Dr. Hong Jiao

5pm **Investigation of the effects of scoring on the AES model performance and interpretation**
 » [Mr. Jeongheum Cho](#) (Yonsei University), Dr. Ji Hoon Ryou (Yonsei University)

5:15pm **Improving the Measurement Quality of LLM-Based Automated Essay Scoring**
 » [Dr. Haeyeon Ahn](#) (Korea National Open University)

5:30pm **From Single-Pass Deployment to Robust Scoring: Repeatability and Severity Shifts in GPT-4o-mini for Automated Scoring of Music Analysis**
 » [Mr. Baicheng Lin](#) (Department of Education, Sejong University), Ms. Lingxi JIN (Department of Education, Ewha Womans University), Prof. Kyung-Seok Min (Department of Education, Sejong University)



Continued from **Wednesday, 22 July**

5:45pm **When Does Retrieval Improve LLM-Based Item Generation? Parent-Item Quality as a Boundary Condition for Construct Validity**
 » [Dr. Jinnie Shin](#) (University of Florida), Mr. Zhe Li (University of Florida), Ms. Anna Pauline Aguinalde (University of Florida), Mr. Lingchen Kong (University of Florida), Ms. Amanda Wilson (University of Florida), Dr. Mary Bratsch-Hines (University of Florida)

6pm **Multitask Modeling of Item Difficulty and Content Alignment in Large-Scale Assessment**
 » [Dr. Hong Jiao](#) (University of Maryland), Ms. Xinyi Wang (Beijing Normal University), Ms. Hanna Choi (University of Maryland), Ms. Sydney Peters (University of Maryland)

5pm **Computerized Adaptive Tests**
B147, The Commons
 Chaired by: Dr. Tianjun Sun

5pm **Traditional progressive tests with stopping rules from computerized adaptive testing: Do potential advantages outweigh added complexity?**
 » [Ms. Jianan Chen](#) (Centre for Educational Measurement, University of Oslo), Dr. Johan Braeken (Centre for Educational Measurement, University of Oslo)

5:15pm **Sequential change point detection for continuous adaptive online testing**
 » [Dr. Yawen Ma](#) (Lancaster University), Dr. Gabriel Wallin (Lancaster University)

5:30pm **Adaptive measurement of numerical reasoning in incoming university students**
 » [Dr. María Dolores Nieto](#) (Universidad Autónoma de Madrid), Dr. Juan F. Luesia (Universidad Loyola Andalucía), Dr. Milagrosa Sánchez Martín (Universidad Loyola Andalucía)

5:45pm **Semantic utility modeling for optimizing open-ended psychological measurement**
 » Ms. Zihan Yan (University of Illinois Urbana-Champaign), Dr. Ashley Sylvara (University of Florida), [Dr. Tianjun Sun](#) (Rice University), Dr. Susu Zhang (University of Illinois Urbana-Champaign), Dr. Ziang Xiao (Johns Hopkins University)

6pm **A new CAT model fit for language testing of beginners**
 » [Mr. Christian Bourassa](#) (Université de Montréal), Dr. Sébastien Béland (Université de Montréal), Dr. Christophe Chénier (Université de Montréal)

6:15pm **Walking Break**

6:20pm **Graduate Student Session**
Auditorium, Baekyang Hall
 Chaired by: Ms. Aditi M Bhangale

Thursday, 23 July

9am **Invited Speaker**
Auditorium, Baekyang Hall
 Chaired by: Prof. Francis Tuerlinckx

Rethinking the measurement and analysis of multilevel and longitudinal data through psychometrics and machine learning
 » Professor Mirka Henninger (University of Basel)

9am **Invited Speaker**
Grand Ballroom, The Commons
 Chaired by: Dr. Ji Hoon Ryoo

Structural Equation Modeling With Both Factors and Components
 » Professor Heungsun Hwang (McGill University)

9:45am **Refreshment Break**



Continued from **Thursday, 23 July**

10am **Keynote Speaker**
Auditorium, Baekyang Hall
Chaired by: Prof. Steven Culpepper

Advancing the Science and Engineering of Intelligence: From Network Neuroscience to Interventions for Precision Health
» Aron Keith Barbey (University of Notre Dame)

11am **Lunch (on your own)**
Local establishments

12:30pm **Dissertation Prize**
Auditorium, Baekyang Hall
Chaired by: Prof. Irini Moustaki

Robust Categorical Data Analysis
» Dr. Max Welz (University of Zurich)

1:15pm **Group Photo**

1:45pm **Presidential Panel Discussion**
Auditorium, Baekyang Hall
Chaired by: Dr. Sandip Sinharay and Dr. Ji Seung Yang

Psychometrika at 90: Past, Present, and Future
» Dr. Sandip Sinharay (ETS), Dr. Ji Seung Yang (University of Maryland), Prof. Klaas Sijtsma (Tilburg University), Prof. David Thissen (University of North Carolina at Chapel Hill), Dr. Daniel Bolt (University of Wisconsin - Madison), Dr. Matthew Johnson (ETS), Prof. Alison Cheng (University of Notre Dame), Dr. Inhan Kang (Yonsei University), Prof. Yunxiao Chen (London School of Economics), Prof. Stella Kim (University of North Carolina at Charlotte)

1:45pm **Symposium: Advances in SEM I**
B125, Ballroom, The Commons
Chaired by: Dr. Florian Schubert

1:45pm **Nested model comparisons to distinguish common factors from composites**
» Dr. Mijke Rhemtulla (University of California, Davis), Ms. Danielle Siegel (University of California, Davis)

2pm **Specifying composites in structural equation modeling: Traditional, recent and new approaches**
» Dr. Florian Schubert (University of Twente), Prof. Jörg Henseler (University of Twente), Dr. Xi Yu (University of Twente), Dr. Tamara Schamberger (University of Bielefeld), Prof. Gregory R. Hancock (University of Maryland)

2:15pm **Robust recursive SEM with IGSCA Trees**
» Mr. Michael Truong (York University), Dr. Florian Schubert (University of Twente), Dr. Ji Yeh Choi (Canadian University Dubai), Dr. David Flora (York University)

2:30pm **Teaching an old dog new tricks: Item parceling in a single, integrative step**
» Dr. Xi Yu (University of Twente), Dr. Florian Schubert (University of Twente), Prof. Todd D. Little (Texas Tech University), Prof. Jörg Henseler (University of Twente)

2:45pm **Factor- and composite-based structural equation modeling - A new approach to incorporate composites in the traditional SEM framework**
» Dr. Tamara Schamberger (University of Bielefeld), Dr. Florian Schubert (University of Twente), Prof. Jörg Henseler (University of Twente), Prof. Yves Rosseel (Ghent University)

1:45pm **Symposium: Measurement Non-Invariance**
B126, Ballroom, The Commons
Chaired by: Prof. Patrícia Martinková and Dr. Gabriel Wallin



Continued from Thursday, 23 July

1:45pm **Beyond Individual DIF: A Social Network Framework for Identifying Structured Patterns of Non-Invariance**
 » [Dr. Adéla Hladká](#) (Institute of Computer Science of the Czech Academy of Sciences), Dr. Sébastien Béland (Université de Montréal)

2pm **Addressing measurement error in treatment-related differential item functioning**
 » [Prof. Patrícia Martinková](#) (Institute of Computer Science of the Czech Academy of Sciences), Prof. Marie-Ann Sengewald (Friedrich-Alexander-University Erlangen-Nürnberg), Ms. Michaela Vařejková (Institute of Computer Science of the Czech Academy of Sciences), Dr. Adéla Hladká (Institute of Computer Science of the Czech Academy of Sciences)

2:15pm **Discrete nonparametric priors in CFA: Within-group invariance analysis**
 » [Dr. Giuseppe Mignemi](#) (Kore University), Prof. Patrícia Martinková (Institute of Computer Science of the Czech Academy of Sciences)

2:30pm **DIF Analysis with Unknown Groups and Anchor Items for Asymmetric IRT Models**
 » [Dr. Gabriel Wallin](#) (Lancaster University), Dr. Qi (Helen) Huang (Purdue University)

2:45pm **Continuous DIF under monotonicity constraints: Methodological challenges and solutions**
 » [Ms. Michaela Cichrová](#) (Institute of Computer Science, Czech Academy of Sciences; Faculty of Mathematics and Physics, Charles University), Prof. Patrícia Martinková (Institute of Computer Science, Czech Academy of Sciences; Faculty of Education, Charles University)

1:45pm **AI and LLMs**
B145, The Commons
 Chaired by: Dr. Jinho Kim

1:45pm **Responsible health AI: Psychometric validation of a novel Health Information Quality assessment tool for generative AI**
 » [Dr. Hamsa Subramaniam](#) (Google), Dr. Sarah Montgomery-Taylor (Google), Ms. Stella Yeoum (Google), Dr. Jeremy Miles (Google), Dr. Jim Taylor (Google)

2pm **Sociocognitive Theory Implications on Assessment on the AI (AoA) Framework**
 » [Prof. Jaehwa Choi](#) (George Washington University), Ms. Rachel Choi (Cornell University)

2:15pm **Evaluating the Feasibility of LLM-Based Automated Essay Scoring Under Different Score Distributions**
 » [Dr. Ji Won Yang](#) (Seoul National University), Dr. Gyeongmee Gim (Seoul National University), Prof. Jooyong Park (Seoul National University)

2:30pm **A Generalizable Large Language Model for Real-Time Mental Health Risk Forecasting via Digital Phenotyping**
 » [Ms. Xiaohui Luo](#) (Beijing Normal Univeristy), Prof. Hongyun Liu (Beijing Normal Univeristy)

2:45pm **An Extended Technology Acceptance Model of Generative AI for Learning**
 » [Dr. Jinho Kim](#) (University of Seoul), Mrs. Eunjung Jung (University of Seoul)

1:45pm **Item Response Theory**
B146, The Commons
 Chaired by: Prof. Marie Wiberg

1:45pm **Collateral Information from Response Time: Effects of Test Length**
 » [Mr. Walton Ferguson](#) (University of Notre Dame), Prof. Alison Cheng (University of Notre Dame)

2pm **A Multi-Faceted Multidimensional Unfolding Model for Examining Rater Preferences**
 » [Dr. Kuan-Yu Jin](#) (Hong Kong Examinations and Assessment Authority), Dr. Jue Wang (Hong Kong Examinations and Assessment Authority)



Continued from **Thursday, 23 July**

- 2:15pm **Stabilizing Item Parameter Estimation under Null Categories**
» [Ms. Chae-eun Kim](#) (Department of Psychology, College of Social Science, Hallym University)
- 2:30pm **Evaluating Item Difficulty Stability Across Test Forms in a Cluster-Rotation Design**
» [Dr. Van Nguyen](#) (Australian Council for Educational Research)
- 2:45pm **The impact of linkage plan choice on observed-score equating**
» [Prof. Marie Wiberg](#) (Umeå University)
- 1:45pm **Latent Class Models**
B147, The Commons
Chaired by: Dr. Michael Ilagan
- 1:45pm **A robust sample-ratio correction for measurement invariance with unbalanced samples**
» [Ms. Teddy Chen](#) (University of California, Davis), [Dr. Mijke Rhemtulla](#) (University of California, Davis)
- 2pm **Unsupervised detection of careless responding with auxiliary covariates**
» [Dr. Michael Ilagan](#) (University of Alberta), [Prof. Carl Falk](#) (McGill University)
- 2:15pm **Latent Class Analysis via Gaussian Mixture IRT for Mixed Response Data**
» [Prof. Xiangbin Meng](#) (Northeast Normal University), [Dr. Siyao Cheng](#) (Northeast Normal University)
- 2:30pm **A Comparison of Mixture and Score-Based Partitioning Approaches to Account for Response Process Heterogeneity with Item Response Tree Models**
» [Mr. Ömer Emre Can Alagöz](#) (University of Mannheim), [Prof. Thorsten Meiser](#) (University of Mannheim), [Dr. Rudolf Debelak](#) (University of Zurich / EPFL)

- 2:45pm **A Joint Modeling Approach for Faking Correction in Forced-Choice Questionnaires**
» [Mr. Diego Graña](#) (Universidad Autónoma de Madrid), [Dr. Susanne Frick](#) (TU Dortmund University), [Prof. Francisco J. Abad](#) (Universidad Autónoma de Madrid), [Dr. Miguel A. Sorrel](#) (Universidad Autónoma de Madrid), [Prof. Rodrigo Schames Kreitchmann](#) (Universidad Nacional de Educación a Distancia)
- 1:45pm **Fairness and Equity**
Room 101, School of Management
Chaired by: Dr. Ines M. Varas
- 1:45pm **The role of selection weights in shaping equity and predictive validity in University Admissions**
» [Dr. Eduardo Alarcón-Bustamante](#) (DEMRE - Universidad de Chile)
- 2pm **Predictive validity under test reform: Challenges of comparing curriculum- and competency-based Admission Tests**
» [Ms. Victoria Florenzano](#) (DEMRE - Universidad de Chile)
- 2:15pm **Dependent models for test equating: a latent approach**
» [Dr. Ines M. Varas](#) (Universidad Técnica Federico Santa María)
- 2:30pm **How Unreliable Scores Distort Educational Equity Indicators**
» [Dr. Jiahui Zhang](#) (Beijing Normal University)
- 2:45pm **Cross-classified modeling of prompt fairness in writing assessment**
» [Ms. Sohyeon Lee](#) (University of Hawaii at Manoa)
- 1:45pm **Symposium: From Measurement to Mechanism**
Room 102, School of Management
Chaired by: Dr. Noah van Dongen
- 1:45pm **A case for modern theoretical psychology**
» [Dr. Noah van Dongen](#) (Erasmus University Rotterdam), [Dr. Vencislav Popov](#) (Department of Psychology, University of Zurich), [Dr. Gijs Holleman](#) (Tilburg University)



Continued from **Thursday, 23 July**

2pm **Categorizing Phenomena for Use in Formal Theory**
» [Mr. Jason Nak](#) (University of Amsterdam)

2:15pm **Bayesian Variable Selection in Mixed Ordinal-Continuous Markov Random Fields**
» [Dr. Maarten Marsman](#) (University of Amsterdam)

2:30pm **Behavioral interfaces for psychological theories: An application using network theory and AI**
» [Prof. Denny Borsboom](#) (University of Amsterdam)

2:45pm **Nonlinear dynamics to simulate and test interventions**
» [Mr. Titus Muertz](#) (University of Amsterdam)

1:45pm **Estimation and Computational Methods**
Room 103, School of Management
Chaired by: Dr. Joost Van Ginkel

1:45pm **Are extensive simulation studies always necessary? A critical overview**
» [Dr. Joost Van Ginkel](#) (Leiden University), Dr. Ralph Rippe (Leiden University)

2pm **Assessing measurement invariance with bifactor IRT models**
» [Ms. Lu Zhang](#) (University of Oslo), Prof. Björn Andersson (University of Oslo)

2:15pm **Addressing Excessive Zeros in Assessment using A Zero-Inflated Mixture IRT Framework**
» [Dr. Fathima Jaffari](#) (Education and Training Evaluation Commission (ETEC)), Dr. Georgios Sideridis (Harvard Medical School)

2:30pm **Bias-Corrected Linking Coefficients and Their Asymptotic Standard Errors for Common-Examinee Designs**
» [Prof. Ikko Kawahashi](#) (Meiji-Gakuin University), Prof. Hiroyuki Noguchi (Nagoya University), Prof. Saori Kubo (Tohoku University)

2:45pm **The Incomparability of Standardized Estimates in Manifest- and Latent-Variable Modeling**
» [Prof. Zhonglin Wen](#) (South China Normal University), Ms. Wang Yifan (South China Normal University)

1:45pm **Causal Inference**
S504, 5th Floor, Baekyang Hall
Chaired by: Dr. Jenn-Yun Tein

1:45pm **Causal Inference in Latent Mediation: A Robust G-Estimation Approach for Randomized Trials**
» [Ms. Sofia Morelli](#) (Tübingen University), Mr. Roberto Faleh (Tübingen University), Prof. Holger Brandt (Tübingen University)

2pm **Use of regression anatomy to identify structural bias in DAGs**
» Dr. Jaehyun Shin (Virginia Polytechnic Institute and State University), [Prof. Yasuo Miyazaki](#) (Virginia Polytechnic Institute and State University)

2:15pm **Predicting Mixture Mediation Pathways from Contextual Risk Using Machine Learning**
» [Dr. Jenn-Yun Tein](#) (Arizona State University), Dr. Cheuk Hei (Bosco) Cheng (Arizona State University), Ms. Savannah G Ostner (Arizona State University), Dr. Sierra Clifford (Arizona State University), Dr. Daniel S Shaw (University of Pittsburgh), Dr. Kathryn Lemery-Chalfant (Arizona State University)

2:30pm **Advantages and limitations of transfer learning for individual treatment effects**
» [Ms. Seyda Aydin](#) (University of Tübingen), Prof. Holger Brandt (Tübingen University)

2:45pm **Deep Neural Nuisance Models for G-Estimation in Mediation Analysis with Unmeasured Confounding**
» [Mr. Roberto Faleh](#) (Tübingen University), Ms. Sofia Morelli (Tübingen University), Prof. Holger Brandt (Tübingen University)

3pm **Refreshment Break**



Continued from **Thursday, 23 July**

- 3:15pm **Symposium: Causal Inference and Mediation**
Auditorium, Baekyang Hall
Chaired by: Prof. Jee-Seon Kim
- 3:15pm **A Causal Framework for Careless Responding**
» [Ms. Jiwoo Kim](#) (Cornell University), Dr. Felix Thoemmes (Cornell University)
- 3:30pm **Variation in causal mediation effect estimates across estimation strategies**
» [Prof. Hanna Kim](#) (University of California, Santa Cruz), Prof. Jee-Seon Kim (University of Wisconsin - Madison)
- 3:45pm **Why Applied Causal Inference Needs Directed Acyclic Graphs**
» [Dr. Peter Steiner](#) (University of Maryland, College Park), Mr. Nathan J. Quimpo (University of Maryland, College Park)
- 4pm **Change as Consequence, Not Cause: A Critique of Latent Growth Modeling**
» [Prof. Yongnam Kim](#) (Seoul National University), Ms. Yunjoo Han (Seoul Bongcheon Elementary School)
- 3:15pm **Longitudinal Latent Class Models**
B125, Ballroom, The Commons
Chaired by: Dr. Ji Hoon Ryoo
- 3:15pm **Predicting distal outcomes from latent classes in the growth mixture models: robustness over various coding of time**
» [Ms. Yugi Liu](#) (Leiden University), Dr. Zsuzsa Bakk (Leiden University), Prof. Mark de Rooij (Leiden University), Dr. Ethan M. McCormick (University of Delaware)

- 3:30pm **Frequentist forecasting of regime-switching models incorporating within- and between-individual differences**
» [Mr. Kento Okuyama](#) (University of Tübingen), Dr. Tim Schaffland (dfine GmbH), Dr. Pascal Kilian (Robert Bosch GmbH), Prof. Holger Brandt (University of Tübingen), Prof. Augustin Kelava (University of Tübingen)
- 3:45pm **Dynamic Latent Transition Analysis expanding Repeated Measures into Continuous Prediction**
» [Dr. Ji Hoon Ryoo](#) (Yonsei University), Ms. Dakyung Ryu (Kyungpook National University), Ms. Yeongjin Jo (Yonsei University), Prof. Younghae Do (Kyungpook National University)
- 4pm **Quantifying change in latent transition analysis: effect size and its confidence interval**
» [Dr. Zonggui Li](#) (University of Maryland School of Pharmacy), Dr. Ehri Ryu (Boston College)
- 4:15pm **Robust Bayesian Growth Mixture Modeling for small latent classes**
» [Mr. Chad Davis](#) (University of Virginia), Dr. Xin Tong (University of Virginia), Dr. Eunsook Kim (University of South Florida), Dr. Yan Wang (University of Massachusetts Lowell), Dr. John Ferron (University of South Florida), Prof. David Goretzko (Department of Psychology, Goethe University, Frankfurt)
- 3:15pm **Symposium: Latent Space Item Response Modeling**
B126, Ballroom, The Commons
Chaired by: Prof. Minjeong Jeon
- 3:15pm **A latent space diffusion item response theory model to explore unexplained person-item interactions underlying responses and response times**
» [Dr. Inhan Kang](#) (Yonsei University)
- 3:30pm **A latent space accumulator model for response time: Applications to cognitive assessment data**
» [Dr. Ick Hoon Jin](#) (Yonsei University), Ms. Hyunjoo Kim (University of Illinois Urbana-Champaign), Prof. Minjeong Jeon (University of California, Los Angeles)



Continued from **Thursday, 23 July**

3:45pm **Hyperbolic latent space item response models for hierarchical structures**

» [Mr. Gwanghee Kim](#) (Yonsei University), Dr. Ick Hoon Jin (Yonsei University), Prof. Minjeong Jeon (University of California, Los Angeles)

4pm **Measuring progress with an interaction map approach for longitudinal assessment data**

» [Prof. Minjeong Jeon](#) (University of California, Los Angeles)

4:15pm **Heterogeneity of Response Style Behaviors: Empirical Findings from LS-IRTree Model Application**

» [Dr. Nana Kim](#) (University of Minnesota - Twin Cities), Prof. Minjeong Jeon (University of California, Los Angeles)

3:15pm **Psychometric and Behavioral Methods**

B145, The Commons

Chaired by: Prof. Theodore Walls

3:15pm **Profiling collaborative learning behavior via network-based multivariate dynamic time warping**

» [Prof. Na Ra Nam](#) (Konkuk University), Mr. Euigyum Kim (Sogang University), Prof. Hyo Jeong Shin (Sogang University)

3:30pm **Context-Aware Modeling of Test-Taking Clickstream Data Using Transformer Encoder**

» [Ms. Ruiting Shen](#) (New York University), Dr. Klint Kanopka (New York University)

3:45pm **Inference for Biomechanical and Behavioral Mobile Sensing Data**

» [Prof. Theodore Walls](#) (University of Rhode Island), Mr. Nathan DeSalvo (University of Rhode Island), Prof. Kathleen Melanson (University of Rhode Island), Mr. Adeleke Akinkulore (University of Rhode Island), Prof. Edison Thomaz (University of Texas at Austin), Mr. Cody J Arvonen (University of Texas at Austin)

4pm **Flexible Exploratory Item Factor Analysis using Variational Autoencoders**

» [Mr. Youngjin Han](#) (University of Maryland), Dr. Ji Seung Yang (University of Maryland)

4:15pm **Measuring cognitive constructs in addictive behavior: An integrated framework of reinforcement learning and sequential sampling**

» [Ms. Eunwoo Kim](#) (Yonsei University), Dr. Inhan Kang (Yonsei University)

3:15pm **Multivariate Analysis**

B146, The Commons

Chaired by: Dr. Sunmee Kim

3:15pm **Detecting covariate-dependent heterogeneity in multivariate extended redundancy analysis via model-based recursive partitioning**

» [Ms. Sam Sichkaruk](#) (University of Manitoba), Dr. Lisa Lix (University of Manitoba), Dr. Richard Kruk (University of Manitoba), Dr. Sunmee Kim (University of Manitoba)

3:30pm **Model-based least-squares imputation for multivariate extended redundancy analysis under complex missingness**

» [Mr. Bryce Phillips](#) (University of Manitoba), Dr. Depeng Jiang (University of Manitoba), Dr. Richard Kruk (University of Manitoba), Dr. Sunmee Kim (University of Manitoba)

3:45pm **Kernel Extended Redundancy Analysis: Penalized RKHS-Based Estimation for Flexible Component Construction**

» [Dr. Sunmee Kim](#) (University of Manitoba), Dr. Hye Won Suk (Seoul National University), Dr. Heungsun Hwang (McGill University)

4pm **A systematic review of multivariate anomaly detection in psychological research**

» [Ms. Loreen Sabel](#) (TU Dortmund University), Prof. Philipp Doebler (TU Dortmund University)



Continued from **Thursday, 23 July**

4:15pm **Replicability of BWAS studies: Principal Covariate versus Ridge Regression**

» [Ms. Lisa Verbeij](#) (Leiden University), Prof. Mark de Rooij (Leiden University), Dr. Wouter Weeda (Leiden University)

3:15pm **Bayesian**

B147, The Commons

Chaired by: Prof. David Kaplan

3:15pm **Bayes Factors for Structural Equation Models with Bridge Sampling and Blavaan**

» [Mr. Julius M. Pfadt](#) (University of Amsterdam), Prof. Edgar C. Merkle (University of Missouri), Mr. Eric-Jan Wagenmakers (University of Amsterdam)

3:30pm **Bayesian SEM Model Evaluation and Comparison with blavaan**

» [Prof. Mauricio Garnier-Villarreal](#) (Vrije Universiteit Amsterdam), Prof. Terrence Jorgensen (University of Amsterdam), Dr. Sara van Erp (Utrecht University), Prof. Edgar C. Merkle (University of Missouri)

3:45pm **Accelerating Bayesian SEM with GPU Computing: An Efficiency Study**

» [Dr. Jorge Sinval](#) (Nanyang Technological University), Prof. Edgar C. Merkle (University of Missouri)

4pm **Empirical Underidentification in Latent Variable Models**

» [Dr. Eric Loken](#) (University of Connecticut)

4:15pm **Addressing Model Uncertainty in Experimental Designs via Bayesian Stacking**

» [Prof. David Kaplan](#) (University of Wisconsin - Madison), Mr. Red Paulin (University of Wisconsin - Madison)

3:15pm **Symposium: Dynamical Systems Modeling**

Room 101, School of Management

Chaired by: Dr. Meng Chen

3:15pm **Detecting Qualitatively Distinct Continuous-Time Dynamics Using Mixture Differential Equation Models**

» [Dr. Meng Chen](#) (University of Southern California), Dr. Michael Hunter (The Pennsylvania State University)

3:30pm **Nonparametric inference of stability landscapes from intensive longitudinal data**

» [Dr. Jingmeng Cui](#) (KU Leuven), Prof. Eva Ceulemans (KU Leuven), Prof. Francis Tuerlinckx (KU Leuven)

3:45pm **Dynamic Structural Equation Models with Composites**

» [Ms. Sijia Li](#) (University of British Columbia), Dr. Sy-Miin Chow (The Pennsylvania State University), Dr. Victoria Savalei (University of British Columbia)

4pm **Model Selection Measures for Bayesian Models with Abrupt and Gradual Changes**

» Dr. Yanling Li (The Pennsylvania State University), [Ms. Xiaoyue Xiong](#) (The Pennsylvania State University), Dr. Zita Oravecz (The Pennsylvania State University), Dr. Sy-Miin Chow (The Pennsylvania State University)

4:15pm **Using Vector Generalized Additive Models to Estimate Time-Varying Vector Autoregressive Models**

» [Dr. Simran Johal](#) (University of Oregon)

3:15pm **Symposium: Applications of Generative AI**

Room 102, School of Management

Chaired by: Dr. Luning Sun

3:15pm **Developing image-based personality tests using multimodal large language models**

» [Dr. Luning Sun](#) (University of Cambridge), Prof. Fang Luo (Beijing Normal University), Prof. Zonglei Zhen (Beijing Normal University), Prof. David Stillwell (University of Cambridge)



Continued from **Thursday, 23 July**

3:30pm **LLM-Based Social Desirability Estimation for Forced-Choice Item Assembly**

» [Dr. Chia-Wen Chen](#) (University of Cambridge), Dr. Joe Watson (University of Cambridge), Dr. Luning Sun (University of Cambridge), Prof. Fang Luo (Beijing Normal University)

3:45pm **Evaluating large language models' Big-C creativity in psychological assessment development**

» [Dr. Yuzhuo Yuan](#) (Beijing Normal University), Dr. Luning Sun (University of Cambridge), Dr. Yixuan Jiang (Zhejiang University), Ms. Xin Meng (Beijing Normal University), Ms. Jing Li (Beijing Normal University), Prof. David Stillwell (University of Cambridge), Prof. Fang Luo (Beijing Normal University)

4pm **Augmenting psychological rating scales with LLM-scored text**

» [Dr. Joe Watson](#) (University of Cambridge), Mr. Ivan O'Connor (University of Birmingham), Dr. Chia-Wen Chen (University of Cambridge), Dr. Luning Sun (University of Cambridge), Prof. Fang Luo (Beijing Normal University), Prof. David Stillwell (University of Cambridge)

4:15pm **Large language model-based silicon sampling for psychometric analysis**

» [Mr. Zhuoran Tu](#) (Beijing Normal University), Dr. Luning Sun (University of Cambridge), Prof. David Stillwell (University of Cambridge), Prof. José Hernández-Orallo (University of Cambridge), Prof. Fang Luo (Beijing Normal University)

3:15pm **Symposium: Machine Learning and Causal Inference**

Room 103, School of Management

Chaired by: Dr. Melanie Viola Partsch

3:15pm **Stability assessment in machine learning: evaluating resampling for decision trees**

» [Mr. Constantin Wiegand](#) (University of Basel), Prof. Florian Scharf (University of Kassel), Prof. Mirka Henninger (University of Basel)

3:30pm **Insights from interpretable machine learning into the interplay of model misspecifications, fit indices, and nuisance parameters**

» [Dr. Melanie Viola Partsch](#) (Utrecht University), Prof. Mirka Henninger (University of Basel), Prof. Carmen Ximénez (Universidad Autónoma de Madrid), Prof. David Goretzko (Department of Psychology, Goethe University, Frankfurt)

3:45pm **Identifying causal effects with psychological interventions: psychometric prerequisites for latent instrumental variable designs**

» [Mr. Lukas Junker](#) (Ludwig-Maximilian-University München), Dr. Florian Pargent (Ludwig-Maximilian-University München)

4pm **Mapping dynamic resilience through multimodal networks: integrating EMA, sensing, and Perceived Causal Networks**

» [Ms. Mareike Ebert](#) (Goethe University Frankfurt), Prof. David Goretzko (Goethe University Frankfurt)

4:15pm **Better targets, better models? Psychometrics in empirical machine learning predictions**

» [Dr. Larissa Sust](#) (LMU Munich), Prof. David Goretzko (Goethe University Frankfurt), Dr. Philipp Sterner (Technical University Munich), Dr. Jan Digutsch (Ruhr University Bochum)

3:15pm **Symposium: Advances in SEM II**

S504, 5th Floor, Baekyang Hall

Chaired by: Dr. Florian Schuberth

3:15pm **Second-order structural equation modeling with both factors and components**

» [Mr. In-Hyun Baek](#) (McGill University), Prof. Gyeongcheol Cho (The Ohio State University), Dr. Florian Schuberth (University of Twente), Dr. Heungsun Hwang (McGill University)

3:30pm **AGAS-PLS: A Genetic Algorithm for automated structural model specification in composite-based SEM**

» [Prof. Laura Trinchera](#) (NEOMA Business School), Dr. Gloria Pietropolli (University of Trieste), Prof. Mauro Castelli (NOVA Information Management School (NOVA IMS), Universidade NOVA de Lisboa), Dr. Florian Schuberth (University of Twente)



Continued from **Thursday, 23 July**

3:45pm **Refined Matrix Decomposition SEM: Integrating Factor and Component Structures without Penalty Parameters**

» [Dr. Naoto Yamashita](#) (Kansai University)

4pm **Structural Equation Modeling with factors and composites: SVD-SEM or RML-SEM?**

» [Prof. Arthur Tenenhaus](#) (Laboratoire des Signaux et Systèmes), [Mr. Alain Luong](#) (Laboratoire des Signaux et Systèmes), [Prof. Michel Tenenhaus](#) (HEC Paris)

4:15pm **Relaxed SEM-based out-of-sample predictions**

» [Ms. Aditi M Bhangale](#) (Leiden University), [Dr. Julian D Karch](#) (Leiden University), [Prof. Mark de Rooij](#) (Leiden University)

4:30pm **Walking Break**

4:45pm **Presidential Panel Discussion**

Auditorium, Baekyang Hall

Chaired by: [Prof. Jae-Chun Ban](#) and [Prof. Kyung-Seok Min](#)

4:45pm **Past, Present, and Future of Measurement and Evaluation in Korean Education**

» [Prof. Jae-Chun Ban](#) (Chungnam National University), [Prof. Kyung-Seok Min](#) (Sejong University, Korea), [Prof. Jong Seung Lee](#) (Chungnam National University), [Prof. Do-Soon Park](#) (Korea University), [Prof. Taeje Seong](#) (Ewha Womans University), [Prof. Eunlim Chi](#) (KyungHee University), [Prof. Guemin Lee](#) (Yonsei University)

4:45pm **Symposium: Celebrating Twenty-five Years of the Iz* Statistic**

B125, Ballroom, The Commons

Chaired by: [Dr. Sandip Sinharay](#)

4:45pm **Asymptotically Correct Standardization of Person-fit Statistics: Some Recent Developments**

» [Dr. Sandip Sinharay](#) (ETS)

5pm **About The (Very Old) Story of Iz***

» [Dr. Sébastien Béland](#) (Université de Montréal)

5:15pm **Conformal Inference for Aberrant Response Detection**

» [Ms. Youmin Hong](#) (University of Maryland), [Dr. Ji Seung Yang](#) (University of Maryland), [Dr. Yang Liu](#) (University of Maryland)

5:30pm **Outlier Detection, Person Fit, and Robust Estimation of IRT Models**

» [Prof. Alison Cheng](#) (University of Notre Dame)

5:45pm **Discussion: Future of person-fit analysis in assessing test performance**

» [Prof. Klaas Sijsma](#) (Tilburg University)

4:45pm **Estimation and Computational Methods**

B126, Ballroom, The Commons

Chaired by: [Prof. Francis Tuerlinckx](#)

4:45pm **Scoring Reliability in the Era of Generative AI**

» [Dr. Matthias von Davier](#) (TIMSS & PIRLS International Study Center at Boston College), [Dr. Ji Yoon Jung](#) (TIMSS & PIRLS International Study Center at Boston College), [Dr. Ummugul Bezirhan](#) (TIMSS & PIRLS International Study Center at Boston College)

5pm **Statistical curvature and algorithmic convergence in factor models**

» [Prof. Francis Tuerlinckx](#) (KU Leuven), [Mr. Zihao Cao](#) (KU Leuven)

5:15pm **Robust pairwise estimation of factor analyses of categorical data**

» [Dr. Max Welz](#) (University of Zurich), [Prof. Yunxiao Chen](#) (London School of Economics), [Prof. Irini Moustaki](#) (London School of Economics)

5:30pm **Estimating parameters of Lotka-Volterra (predator-prey) models**

» [Prof. Steven Boker](#) (University of Virginia)



Continued from **Thursday, 23 July**

5:45pm **Latent trait estimation with generalized linear latent variable models**

» [Prof. Björn Andersson](#) (Centre for Educational Measurement, University of Oslo)

4:45pm **Factor Analysis and Measurement Invariance**

B145, The Commons
Chaired by: Prof. Njål Foldnes

4:45pm **Evaluating Multigroup Structural Equation Modeling with Exploratory-Based Confirmatory Measurement Models**

» [Ms. Jennifer Dang Guay](#) (KU Leuven), Prof. Yves Rosseel (Ghent University), Dr. Kim De Roover (KU Leuven)

5pm **Measurement invariance with incomplete ordinal data: Multiple imputation-based tests**

» [Dr. Suppanut Sriutaisuk](#) (Faculty of Psychology, Chulalongkorn University), Prof. Han Joe Kim (Yonsei University), Dr. Sunthud Pornprasertmanit (Faculty of Psychology, Chulalongkorn University)

5:15pm **New test procedures for CFA model fit and nested model comparisons**

» [Prof. Njål Foldnes](#) (University of Stavanger), Prof. Steffen Grønneberg (BI Norwegian Business School), Prof. Jonas Moss (BI Norwegian Business School)

5:30pm **Testing Measurement Invariance Across Age and Education Groups for the NIH Toolbox Cognition Battery (NIHTB-CB)**

» [Dr. Jiwon Kim](#) (Northwestern University), Dr. Y. Catherine Han (Northwestern University), Ms. Augusta Zukauskas (Northwestern University), Dr. Aaron J. Kaat (Northwestern University), Dr. Emily Ho (Northwestern University), Dr. Richard C. Gershon (Northwestern University), Dr. Elizabeth M. Dworak (Northwestern University)

5:45pm **Partial comparability of latent traits across studies**

» [Mr. Wesam Asaad](#) (Independent Researcher)

4:45pm **AI and LLMs**

B146, The Commons
Chaired by: Prof. Meounggun Jo

4:45pm **Multi-Agent System Framework for Diagnostic Assessment with Automatic Item Generation**

» [Dr. Tae Yeon Kwon](#) (HMH), Prof. Jaehwa Choi (George Washington University)

5pm **Graph Neural Network (GNN) based automated scoring and feedback**

» [Ms. Seoyoon Kim](#) (Yonsei University), Prof. Guemin Lee (Yonsei University)

5:15pm **Applications of distillation and optimization techniques to SLM in AES**

» [Mr. Seongil Kim](#) (Yonsei University), Prof. Guemin Lee (Yonsei University)

5:30pm **Predicting item difficulty for high-stakes tests with open-weight LLMs**

» [Prof. Meounggun Jo](#) (Hoseo University)

5:45pm **QUALITAS: Adapting qualitative LLM coding to within-scheme variability**

» [Dr. Wen Qu](#) (Fudan University), Dr. Shufeng Ma (East China Normal University)

4:45pm **Causal Inference**

B147, The Commons
Chaired by: Dr. Ben Kelcey

4:45pm **Identifying causes of effect-heterogeneity between quasi-experimental replication studies**

» [Prof. Steffi Pohl](#) (Freie Universität Berlin), Dr. Mathias Twardawski (Ludwig-Maximilian-University München), Prof. Marie-Ann Sengewald (Friedrich-Alexander-University Erlangen-Nürnberg)



Continued from **Thursday, 23 July**

5pm **Incorporating information about mechanisms/causal powers into causal inference**

» [Dr. Keith Markus](#) (John Jay College, CUNY)

5:15pm **An Exploratory Bayesian Mediation Model to Select Mediation Effects**

» [Dr. Dingjing Shi](#) (Georgia Institute of Technology), Dr. Dexin Shi (University of South Carolina), Dr. Amanda Fairchild (University of South Carolina)

5:30pm **Targeted after generative learning for causal inference with latent variables**

» [Dr. Ben Kelcey](#) (University of Cincinnati), Dr. Amota Ataneka (University of Cincinnati), Dr. Jean-Baptiste Habarurema (University of Cincinnati)

4:45pm **AI Applications**

S504, 5th Floor, Baekyang Hall

Chaired by: Dr. Brian Gin

4:45pm **Operationalizing GenAI Scoring in Multilingual Assessment**

» [Dr. Ji Yoon Jung](#) (TIMSS & PIRLS International Study Center at Boston College), Dr. Ummugul Bezirhan (TIMSS & PIRLS International Study Center at Boston College), Dr. Matthias von Davier (TIMSS & PIRLS International Study Center at Boston College)

5pm **Refactoring our spherical cows: reevaluating our most important simplifications**

» [Mr. Michael Hardy](#) (Stanford University)

5:15pm **Judging Judgment: Large Language Models Write Situational Judgment Items**

» [Ms. Ambar Kleinbort](#) (Harver), Mr. Eric Fox (Harver), Dr. Anne Thissen-Roe (Harver)

5:30pm **Automated Q-Matrix Construction for Cognitive Diagnostic Models**

» [Mr. Samuel Huang](#) (University of Notre Dame), Dr. Cheng Liu (University of Notre Dame)

5:45pm **"Crash test dummies:" validating virtual patients with virtual learners**

» [Dr. Brian Gin](#) (University of Illinois, Chicago), Dr. Flávia Silva e Oliveira (Universidade Federal de Catalão (UFCAT)), Dr. Ahreum Lim (University of Illinois, Chicago), Dr. Kuan Xing (The University of Iowa), Dr. Lukas Shum-Tim (McMaster University), Dr. Matthew Kaminsky (The University of Chicago), Dr. Xiaomei Song (Case Western Reserve University), Mr. Bob Kiser (University of Illinois, Chicago), Dr. Ananya Gangopadhyaya (University of Illinois, Chicago), Ms. Laura McKenzie (University of Illinois, Chicago), Dr. Ara Tekian (University of Illinois, Chicago), Dr. Lauren Maggio (University of Illinois, Chicago), Dr. Yoon Soo Park (University of Illinois, Chicago)

Friday, 24 July

9am **Invited Presidential Session: Graduate Student Research Competition**

Auditorium, Baekyang Hall

Chaired by: Prof. Silvia Cagnone

9am **Symposium: Generalized Structured Component Analysis**

B125, Ballroom, The Commons

Chaired by: Prof. Gyeongcheol Cho

9am **Evaluation of classical and machine learning-based missing data methods in generalized structured component analysis**

» [Ms. Luqi He](#) (McGill University), Prof. Gyeongcheol Cho (The Ohio State University), Dr. Heungsun Hwang (McGill University)

9:15am **Completing Partial Least Squares Path Modeling: Generalized Structured Component Analysis**

» [Prof. Gyeongcheol Cho](#) (The Ohio State University)



Continued from Friday, 24 July

9:30am **Evaluating the Predictive Performance of Generalized Structured Component Analysis and Factor-Based Structural Equation Modeling Approaches**

» [Ms. Zhiyuan Shen](#) (McGill University), Dr. Heungsun Hwang (McGill University)

9:45am **Multilevel GSCA With Group-Level Variables: An Illustration Using GSCA Pro**

» [Dr. Sunmee Kim](#) (University of Manitoba), Prof. Gyeongcheol Cho (The Ohio State University), Dr. Heungsun Hwang (McGill University), Dr. Gabriel Cepeda Carrión (Universidad de Sevilla), Dr. Silvia Martelo-Landroguez (Universidad de Sevilla), Dr. José Roldán (Universidad de Sevilla)

10am **Extending Generalized Structured Component Analysis with Kernel Functions for Modeling Nonlinear Data**

» [Dr. Hye Won Suk](#) (Seoul National University), Prof. Gyeongcheol Cho (The Ohio State University), Dr. Heungsun Hwang (McGill University)

9am **AI and IRT**

B126, Ballroom, The Commons
Chaired by: Prof. Seock-Ho Kim

9am **Item response theory models in psychometric textbooks**

» [Prof. Seock-Ho Kim](#) (University of Georgia), Ms. Ashley Heady (University of Georgia), Ms. Tamlyn Lahoud (University of Georgia), Ms. Jing Li (University of Georgia), Mr. Jingyang Li (University of Georgia)

9:15am **Using Artificial Intelligence and Machine Learning Tools to Preprocess Data in Extreme Conditions to Improve Model Data Fit in Educational Assessment**

» [Dr. Meina Bian](#) (University of Georgia), Dr. Allan Cohen (University of Georgia)

9:30am **Modeling human-LLM agreement in spelling-pronunciation transparency**

» [Ms. Hyemin Park](#) (University of California, Berkeley), Ms. Qing Cai (University of California, Berkeley)

9:45am **Federated Item Response Models: A Gradient-driven Privacy-preserving Framework for Distributed Psychometric Estimation**

» [Mr. Nanyu Luo](#) (University of Toronto), Dr. Feng Ji (University of Toronto)

10am **Scaling intelligence: Applying latent trait models to AI evaluation**

» [Mr. Euigyum Kim](#) (Sogang University), Prof. Hyo Jeong Shin (Sogang University), Mr. Seonghoon Yang (Upstage AI)

9am **Multilevel**

B145, The Commons
Chaired by: Dr. Clifford Hauenstein

9am **A mixed-effects location-scale model for intervention data**

» [Dr. Yue Liu](#) (Sichuan Normal University), Ms. Yueling He (Sichuan Normal University)

9:15am **Random-effects trifactor modeling for partially nested multi-informant assessment data**

» [Dr. Eunsook Kim](#) (University of South Florida), Dr. Xin Qiao (University of South Florida), Ms. Emma Evudottir (University of South Florida), Mr. Alexander Goyette (University of South Florida), Dr. Nathaniel von der Embse (University of South Florida)

9:30am **Evaluating Bayesian variable selection approaches for nonlinear random effects models**

» [Ms. Yue Zhao](#) (University of Minnesota - Twin Cities), Prof. Nidhi Kohli (University of Minnesota - Twin Cities), Prof. Eric Lock (University of Minnesota - Twin Cities)

9:45am **Exploratory Bayesian Smoothing of Parameter Dynamics in Drift Diffusion Models**

» [Dr. Clifford Hauenstein](#) (The Johns Hopkins School of Medicine), Dr. Eunbee Kim (Georgia Institute of Technology)

10am **Mixed-resolution spatial latent variable models for mapping social unrest**

» [Ms. Jasmine Burgess](#) (Lancaster University), Dr. Gabriel Wallin (Lancaster University), Prof. Rachel McCrea (Lancaster University), Dr. Matthew Thomas (British Red Cross)



Continued from Friday, 24 July	
9am	<p>Longitudinal Methods <i>B146, The Commons</i> Chaired by: Dr. Ethan M. McCormick</p>
9am	<p>Longitudinally-informed power analysis: Adaptive recalibration of longitudinal designs » Dr. Yi Feng (University of California, Los Angeles), Prof. Gregory R. Hancock (University of Maryland)</p>
9:15am	<p>Group-Lasso for Three-Mode GMANOVA model with Unknown Item Structure » Dr. Rei Monden (Graduate School of Advanced Science and Engineering, Hiroshima University), Dr. Mineaki Ohishi (Center for Data-driven Science and Artificial Intelligence, Tohoku University), Dr. Ryoya Oda (Graduate School of Advanced Science and Engineering, Hiroshima University), Prof. Hirokazu Yanagihara (Osaka Central Advanced Mathematical Institute, Osaka Metropolitan University)</p>
9:30am	<p>A 12-Wave Longitudinal Study on the Co-Evolution of Social and Psychometric Networks using Panel GVAR Models » Mr. Seung Soo Kim (Gyeongin National University of Education), Prof. Chong-min Kim (Gyeongin National University of Education)</p>
9:45am	<p>Statistical modeling for timing just-in-time adaptive interventions » Dr. Marie Turcicova (Institute of Computer Science, Czech Academy of Sciences), Prof. Patřicia Martinková (Institute of Computer Science, Czech Academy of Sciences)</p>
10am	<p>Moderation of compound parameters: New opportunities for testing group- and individual-level heterogeneity » Dr. Ethan M. McCormick (University of Delaware), Prof. Gregory R. Hancock (University of Maryland)</p>
9am	<p>Dynamical Systems Modeling <i>B147, The Commons</i> Chaired by: Dr. Jordan Revol</p>
9am	<p>When Cycles Coexist with Mean Trends in DSEM: Diagnostics, Joint Modeling, and Practical Guidelines » Ms. Yeonglin Jo (Yonsei University), Dr. Ji Hoon Ryoo (Yonsei University)</p>
9:15am	<p>Strategic Sampling for VAR Estimation Performance: The Episode-Contingent Design » Dr. Jordan Revol (KU Leuven), Prof. Ginette Lafit (KU Leuven), Prof. Eva Ceulemans (KU Leuven), Dr. Sigert Ariens (KU Leuven)</p>
9:30am	<p>How to bridge the night gap in ESM data with continuous-time modeling » Dr. Pablo F. Cáncer (Universidad Pontificia Comillas), Dr. Sophie Berkhout (Utrecht University), Prof. Charles Driver (University of Zurich), Prof. Ellen Hamaker (Utrecht University), Prof. Eduardo Estrada (Universidad Autónoma de Madrid)</p>
9:45am	<p>Mapping latent error transitions via HMM in neuropsychological assessment » Ms. Isadora Leticia Silvestre Martins (Mackenzie Presbyterian University), Mr. Matheus de Melo Rodrigues (Mackenzie Presbyterian University), Mr. Victor Engelmann Ribeiro Formigoni (Mackenzie Presbyterian University), Dr. Alexandre Luiz de Oliveira Serpa (Mackenzie Presbyterian University)</p>
10am	<p>A Factored Regression Framework for Dynamic Structural Equation Modeling » Dr. Brian Keller (University of Missouri), Dr. Suyoung Kim (Gachon University)</p>
9am	<p>Symposium: Robust Bayesian Analysis <i>Room 101, School of Management</i> Chaired by: Ms. Vipasha Goyal</p>
9am	<p>Bayesian Estimation of Ordinal Cross-Lagged Panel Model » Ms. Vipasha Goyal (University of Amsterdam)</p>
9:15am	<p>bvaret: Bayesian estimation of multilevel vector autoregressive networks using STAN » Mr. Florian Metwaly (University of Amsterdam)</p>



Continued from Friday, 24 July

- 9:30am **LLM-Based Prior Elicitation for Bayesian Graphical Modeling**
» [Mr. Nikola Sekulovski](#) (University of Amsterdam)
- 9:45am **Model Space Priors and Dual Multiplicity in High-Dimensional Graphical Models**
» [Ms. Emily Schutte](#) (University of Amsterdam), Dr. Maarten Marsman (University of Amsterdam), Dr. Giuseppe Arena (University of Amsterdam)
- 10am **Effective sample size determination and sample size planning for Bayesian graphical models with informative priors**
» [Dr. Giuseppe Arena](#) (University of Amsterdam), Dr. Lourens Waldorp (University of Amsterdam), Dr. Maarten Marsman (University of Amsterdam)
- 9am **Symposium: Machine Learning Innovations**
Room 102, School of Management
Chaired by: Dr. Igor Himelfarb
- 9am **Predicting Test Outcomes from Item Responses Using Supervised Machine Learning**
» [Dr. Igor Himelfarb](#) (National Board of Chiropractic Examiners), Mrs. Shohreh Karbaschi (University of Northern Colorado), Dr. Bowen Wang (National Board of Chiropractic Examiners), Dr. Nai-En Tang (National Board of Chiropractic Examiners)
- 9:15am **Item Classification by Difficulty Using Functional Principal Component Clustering and Neural Networks**
» [Dr. Bowen Wang](#) (National Board of Chiropractic Examiners), Mr. James Zoucha (University of Northern Colorado), Dr. Igor Himelfarb (National Board of Chiropractic Examiners), Dr. Nai-En Tang (National Board of Chiropractic Examiners)
- 9:30am **Using Deep Reinforcement Learning to Decide Test Length**
» [Mr. James Zoucha](#) (University of Northern Colorado), Dr. Igor Himelfarb (National Board of Chiropractic Examiners), Dr. Nai-En Tang (National Board of Chiropractic Examiners)

- 9:45am **Predicting Item Responses Using Mouse Trajectory Paradata and Machine Learning**
» [Dr. Kyosuke Bunji](#) (Kobe University)
- 9am **Missing Data**
Room 103, School of Management
Chaired by: Dr. Tracy Sweet
- 9am **Selection and inference for moderation analysis with missing data**
» [Mr. Tianrun Zhu](#) (University of California, Merced), Prof. Fan Jia (University of California, Merced)
- 9:15am **Missing Data in Social Networks**
» [Dr. Tracy Sweet](#) (University of Maryland)
- 9:30am **Integrating IRT and Deep-Learning Approaches for Two-Step Imputation in Large-Scale Assessments**
» [Dr. Usama Ali](#) (ETS), Dr. Peter van Rijn (Cito)
- 9:45am **Nonnormality, Missing Data, and Small Samples: Challenges and Opportunities for Determining the Number of Factors using Robust SEM Fit Indices**
» [Mr. Austin Wyman](#) (University of Notre Dame), Dr. Johnny Zhang (University of Notre Dame)
- 10am **Modeling nonresponse in matching item response theory**
» [Ms. Rinhi Higashiguchi](#) (The University of Tokyo), Dr. Kentaro Fukushima (The University of Osaka), Dr. Kensuke Okada (The University of Tokyo)
- 9am **Factor Analysis**
S504, 5th Floor, Baekyang Hall
Chaired by: Prof. Steffen Grønneberg
- 9am **An extension of minimum rank factor analysis for dealing with correlated residuals**
» [Dr. Naomichi Makino](#) (National Center for University Entrance Examinations)



Continued from Friday, 24 July

- 9:15am **Factor Indeterminacy in Simulation and Linear Structural Equation Models**
 » [Prof. Steffen Grønneberg](#) (BI Norwegian Business School), Prof. Njål Foldnes (University of Stavanger)
- 9:30am **Pairwise Target Rotation for Factor Models**
 » [Mr. Justin Philip Tuazon](#) (University of the Philippines - Diliman), Ms. Gia Mizrane Abubo (University of the Philippines - Diliman), Mr. Joemari Olea (University of the Philippines - Diliman)
- 9:45am **Evaluation of the Differences in Performance on Paper-Based and Computer-Based Presentation Forms of the Science Subject Teacher Test of the Kingdom of Saudi Arabia**
 » Dr. Mohammed Alsadaawi (Education & Training Evaluation Commission), [Dr. Fathima Jaffari](#) (Education and Training Evaluation Commission (ETEC)), Prof. Khaleel Al-Harbi (Education and Training Evaluation Commission (ETEC))
- 10am **A Simulation Study of Robust Bayesian Estimation with Informative Priors and Heavy-Tailed Latent Distributions**
 » [Ms. Nancy Alila](#) (University of Georgia), Prof. Zhenqiu Lu (University of Georgia)
- 10:15am **Refreshment Break**
- 10:30am **Panel Discussion**
Auditorium, Baekyang Hall
 Chaired by: Dr. Ye Tong
- 10:30am **Advancing the Standards for Educational and Psychological Testing**
 » [Dr. Ye Tong](#) (National Board of Medical Examiners), Dr. Qiwei He (Georgetown University), Dr. Matthias von Davier (TIMSS & PIRLS International Study Center at Boston College), Dr. Matthew Johnson (ETS)

- 10:30am **AI, Validity, and Reliability**
B125, Ballroom, The Commons
 Chaired by: Ms. Ji yeong Ahn
- 10:30am **Agentic Large Language Models for Multimodal Physics Item Generation and Automated Item Review**
 » [Mr. Moses Omopekunola](#) (HSE University)
- 10:45am **Evaluating the Performance of LLM in Processing Bilingual Data with Code Switching Through Experimental Design**
 » [Ms. Muge Liu](#) (Newport High School, Bellevue, WA), Dr. Johnny Zhang (University of Notre Dame)
- 11am **Meta-Analysis of AI-Based Personnel Selection Tool Validity**
 » [Mrs. Yuting Han](#) (Beijing Language and Culture University)
- 11:15am **Evaluating AI/RAG-Assisted Instrument Adaptation: A Network-Based Validation Framework**
 » [Ms. Yuchen Zhang](#) (University of Toronto), Mr. Nanyu Luo (University of Toronto), Ms. Zixuan Xia (University of Toronto), Dr. Feng Ji (University of Toronto)
- 11:30am **Structural Alignment and Interpretability of Sentence-Level MIL-Based Automated Essay Scoring**
 » [Ms. Ji yeong Ahn](#) (Yonsei University), Dr. Ji Hoon Ryoo (Yonsei University)
- 10:30am **Longitudinal Methods**
B126, Ballroom, The Commons
 Chaired by: Dr. Satoshi Usami
- 10:30am **Cycles in DSEM: Consequences of Ignorance and Misspecification**
 » [Ms. Yilan Chen](#) (Beijing Normal University), Prof. Hongyun Liu (Beijing Normal University)
- 10:45am **The Night Gap: Consequences for ESM Designs and Model Estimation**
 » [Ms. Lisa Peeters](#) (KU Leuven), Prof. Wim Van Den Noortgate (KU Leuven), Prof. Ginette Lafit (KU Leuven)



Continued from Friday, 24 July

- 11am **Matrix Decomposition-Based Approach to Estimate Structural Equation Models: Focusing on the STARTS Model**
» [Dr. Satoshi Usami](#) (The University of Tokyo)
- 11:15am **The Impact of Scaling Methods in Second-Order Latent Growth Models on Comparability with First-Order Models: A Theoretical Clarification and Simulation Study**
» [Ms. Wang Yifan](#) (South China Normal University), Prof. Zhonglin Wen (South China Normal University)
- 11:30am **Influential factors in Continuous-Time Modeling for panel designs and guidelines**
» [Ms. Nuria Real-Brioso](#) (Universidad Autónoma de Madrid), Prof. Eduardo Estrada (Universidad Autónoma de Madrid)
- 10:30am **Bayesian**
B145, The Commons
Chaired by: Prof. Younyoung Choi
- 10:30am **Data-Driven Priors for Bayesian IRT via Variational Autoencoders**
» [Dr. Rehab AlHakmani](#) (Emirates College for Advanced Education), Prof. Yanyan Sheng (The University of Chicago)
- 10:45am **Joint Modeling of Reaction Times and Likert Responses: Parameter Robustness**
» [Dr. David Lacko](#) (Institute of Psychology, Czech Academy of Sciences), Dr. Tomáš Prošek (Institute of Psychology, Czech Academy of Sciences), Mr. Adam Dostál (Institute of Psychology, Czech Academy of Sciences), Mrs. Anna Lázníčková (Institute of Psychology, Czech Academy of Sciences), Dr. Jiří Čeněk (Mendel University in Brno), Dr. Čeněk Šašinka (Masaryk University), Prof. Sylvie Graf (Institute of Psychology, Czech Academy of Sciences)
- 11am **A Prediction-Oriented Specification Search for Discrete Bayesian Networks Incorporating Convex GSCA**
» [Prof. Younyoung Choi](#) (Ajou University), Prof. Gyeongcheol Cho (The Ohio State University)

- 11:15am **Willing and Able to Fake: A New and Flexible Item Response Model for Applicant Faking**
» [Dr. Siwei Peng](#) (Zhejiang Normal University)
- 11:30am **Variable Selection in Latent Growth Models with Incomplete Longitudinal Data**
» [Ms. Dandan Tang](#) (University of Virginia), Dr. Xin Tong (University of Virginia)
- 10:30am **Novel Applications**
B146, The Commons
Chaired by: Dr. Man Kit Lei
- 10:30am **How Much Sample Size for Internal Moderators?**
» [Dr. Man Kit Lei](#) (University of Georgia)
- 10:45am **Comparing CAT, Constrained CAT, and MST for Adaptive ELA Assessment**
» [Dr. Jing Chen](#) (Khan Academy), Mrs. Beth Hart (Khan Academy), Mrs. Emily Janzer (Khan Academy), Dr. Lauren Deters (Khan Academy)
- 11am **Predictive Validity of Strategic Personality Typology on Assessment Outcomes**
» [Mr. Muchamad Salamun Abdul Rahman](#) (PT LPP Agro Nusantara), Mr. Dwi Ari Setyo Nugroho (PT LPP Agro Nusantara)
- 11:15am **Modelling Mixed-Data Cognitive Measures in the Canadian Longitudinal Study on Aging**
» [Dr. Hao Luo](#) (University of Waterloo), Prof. Björn Andersson (University of Oslo)
- 11:30am **Invaluable: Hausman-Taylor Frameworks for Adjusting Assignment Bias in Teacher Evaluations**
» [Ms. Qing Cai](#) (University of California, Berkeley), Prof. Sophia Rabe-Hesketh (University of California, Berkeley), Mr. Himilcon Inciarte (University of California, Berkeley)



Continued from Friday, 24 July	
10:30am	<p>Item Response Models <i>B147, The Commons</i> Chaired by: Prof. Seongah Im</p>
10:30am	<p>Quantifying Ipsativity and Its Impact on Pairwise Comparison Data » Prof. Rodrigo Schames Kreitchmann (Universidad Nacional de Educación a Distancia), Dr. Miguel A. Sorrel (Universidad Autónoma de Madrid), Mr. Diego Graña (Universidad Autónoma de Madrid), Prof. Francisco J. Abad (Universidad Autónoma de Madrid)</p>
10:45am	<p>A Dirichlet IRT Model with Person-Specific Dispersion for Confidence Testing » Mr. Atsushi Minamimoto (The University of Tokyo), Dr. Kensuke Okada (The University of Tokyo)</p>
11am	<p>Extending the Residual DIF Framework to Mixed-Format Assessments » Ms. HyunJoo Jung (Inha University), Dr. Hwanggyu Lim (Inha University)</p>
11:15am	<p>On the Asymmetry, Complexity, and Predicted Data Patterns of Item Response Theory Models » Dr. Hyejin Shim (University of Missouri), Dr. Wes Bonifay (University of Missouri)</p>
11:30am	<p>Item-Level Distributional Treatment Effects (IL-DTE) for Bounded Continuous Responses: A Beta Multilevel Modeling Approach » Prof. Seongah Im (University of Hawaii at Manoa)</p>
10:30am	<p>Symposium: Modeling Change and Stability <i>Room 101, School of Management</i> Chaired by: Dr. Marie Annelise Blanchard</p>
10:30am	<p>Identifying Personalized State Dynamics Using the Multilevel Hidden Markov Model » Mr. Pepijn Vink (Utrecht University), Dr. Emmeke Aarts (Utrecht University)</p>
10:45am	<p>The Shape of Decay: A Comparison of Discounting Models Within Affect Dynamics » Dr. Niels Vanhasbroeck (University of Amsterdam)</p>
11am	<p>Understanding Emotion Dynamics at the Emotional Event Level: Feature Extraction and Survival Analysis » Ms. Yuanyuan Ji (KU Leuven), Dr. Marieke Schreuder (KU Leuven), Prof. Ginette Lafit (KU Leuven), Prof. Eva Ceulemans (KU Leuven)</p>
11:15am	<p>Lingering Over Time: How Do Authors Define and Model (Emotional) Inertia? A Scoping Review » Dr. Marie Annelise Blanchard (KU Leuven), Ms. Lisa Peeters (KU Leuven), Prof. Alexandre Heeren (UCLouvain), Prof. Eva Ceulemans (KU Leuven)</p>
11:30am	<p>Context and Dynamic Regression Models: A Systems Perspective » Dr. Sigert Ariens (KU Leuven), Dr. Niels Vanhasbroeck (University of Amsterdam), Prof. Ginette Lafit (KU Leuven), Prof. Eva Ceulemans (KU Leuven)</p>
10:30am	<p>Symposium: Measurement Invariance Assessment with Intensive Longitudinal Data <i>Room 102, School of Management</i> Chaired by: Dr. Siwei Liu</p>
10:30am	<p>A Tutorial for Multi-Level Multi-Group Confirmatory Factor Analysis in Intensive Longitudinal Data » Dr. Sojin Yoon (University of Alberta), Dr. Yue Wang (University of Alberta), Dr. Yao Zheng (University of Alberta)</p>
10:45am	<p>Consequences of Measurement Non-Invariance in the Analysis of Intensive Longitudinal Data » Dr. Siwei Liu (University of California, Davis), Ms. Hankyul Kim (University of California, Davis), Dr. Sebastian Castro-Alvarez (University of Groningen), Dr. Mark Lai (University of Macau)</p>



Continued from Friday, 24 July

- 11am **Measurement invariance in Intensive Longitudinal Data: Implementation of Current Methods**
 » Ms. Hankyul Kim (University of California, Davis), Dr. Sebastian Castro-Alvarez (University of Groningen), Dr. Siwei Liu (University of California, Davis)
- 11:15am **Measurement Invariance Testing Using Person-mean Centering in Intensive Longitudinal Data**
 » Dr. Eunsook Kim (University of South Florida), Dr. Chunhua Cao (University of Alabama), Dr. Yan Wang (University of Massachusetts Lowell)
- 11:30am **Sensitivity to Measurement Noninvariance in Intensive Longitudinal Factor Models**
 » Mr. Daniel Martin (Claremont Graduate University), Dr. Dakota Cintron (Claremont Graduate University)
- 10:30am **Factor Analysis**
Room 103, School of Management
 Chaired by: Dr. Christine DiStefano
- 10:30am **Using a Mixture of Continuous and Categorical Observed Variables with Confirmatory Factor Analysis**
 » Dr. Christine DiStefano (University of South Carolina), Dr. Dexin Shi (University of South Carolina), Ms. Guyin Zhang (University of South Carolina)
- 10:45am **Beyond Magnitude: Cross-Loading Proportion Effects on Factor retention Methods**
 » Prof. Wenjuo Lo (University of Arkansas), Ms. ISIS MARTEL (University of Arkansas), Dr. Mary Margaret Cunningham (Arkansas State University)
- 11am **Revisiting the Dimensionality of the Rosenberg Self-Esteem Scale Under Careless Responding**
 » Mr. Tugay Kaçak (Trakya University), Dr. Gül Güler (Trakya University)

- 11:15am **A Solution to the Long-Standing Problem of Nonpositive-Definite Latent Covariances**
 » Mr. Marcos Jiménez (Vrije Universiteit Amsterdam), Prof. Mauricio Garnier-Villarreal (Vrije Universiteit Amsterdam), Dr. Vithor R. Franco (Universidade São Francisco)
- 11:30am **An L1-Rotation Criterion for Exploratory Bifactor Analysis**
 » Dr. Tamara Gaia Vasiljev (University of Milano-Bicocca), Dr. Camilo Cardenas (London School of Economics), Prof. Yunxiao Chen (London School of Economics), Prof. Irini Moustaki (London School of Economics)
- 10:30am **Classification**
S504, 5th Floor, Baekyang Hall
 Chaired by: Prof. Carl Falk
- 10:30am **Modeling Item Survival as a Partially Observed Multi-State Process in Large-Scale Assessment Programs**
 » Dr. Allison Ames (National Board of Medical Examiners), Dr. Leslie Keng (National Board of Medical Examiners)
- 10:45am **Diagnostic Accuracy Statistic Corrected for Class/Disease Prevalence**
 » Prof. Rashid Almehrizi (Sultan Qaboos University), Dr. Sabah Assi (Dhofar University)
- 11am **Unsupervised Simultaneous Detection of Random and Patterned Responses**
 » Prof. Carl Falk (McGill University), Mr. Wenshuo Li (McGill University), Dr. Michael Ilagan (University of Alberta)
- 11:15am **From Data-Driven to Data-Free: A Comparative Study of Generative AI and Optimization Methods for Scale Abbreviation**
 » Dr. Yiling Cheng (National Sun Yat-sen University), Dr. Mark Reackase (Michigan State University)



Continued from **Friday, 24 July**

11:30am **Evaluating and Combining Theories across Disciplines: A Predictive Modeling Framework**
» Mr. Zino Brystowski (Leiden University), Prof. Mark de Rooij (Leiden University), Dr. Marjolein Fokkema (Leiden University), Prof. Hilde Huizenga (University of Amsterdam), Dr. Jalmar Teeuw (Leiden University)

11:45am **Lunch (on your own)**
Local establishments

1:15pm **Presidential Address**
Auditorium, Baekyang Hall
Chaired by: Prof. Jimmy de la Torre

A Few of My Favorite Things: Diagnostic Models, Efficient Bayesian Computation, and New Latent Structures
» Steven Andrew Culpepper (University of Illinois Urbana-Champaign)

2:15pm **Member Meeting**
Auditorium, Baekyang Hall

2:45pm **Award Ceremony**
Auditorium, Baekyang Hall

3:45pm **Break**

6pm **Closing Banquet**
Banquet venue