

Conference Schedule

Day 0, Tuesday, September 5, 2023

Time	Event	Presenter	Location
09:00-12:00	Workshop: Equating test scores with R	Marie Wiberg	Fauna
12:00-13:00	Lunch		Fauna
13:00-16:00	Workshop: Equating test scores with R	Marie Wiberg	Fauna
16:30-19:00	Welcome reception and poster session	Björn Andersson	Toppcenteret

Day 1, Wednesday, September 6, 2023

Time	Event	Presenter	Location
08:45-09:00	Welcome	Rolf Vegar Olsen	Forum
09:00-10:00	Keynote: Achieving fairness and accuracy: Equating test scores across nonequivalent groups	Marie Wiberg. Chair: Rolf Vegar Olsen	Forum
10:00-10:15	Break		
10:15-11:45	Parallel session 1A: "Estimation and model fit"	Chair: Cees Glas	Hagen 1-2
	<i>Estimating Interrater Reliability for Planned Missing Observational Designs</i>	Debby ten Hove, Letty Koopman	
	<i>Longitudinal Modeling of Age-Dependent Latent Traits with Generalized Additive Latent and Mixed Models</i>	Øystein Sørensen	
	<i>Fast estimation of longitudinal generalized linear latent and mixed models with a second-order Laplace approximation</i>	Björn Andersson	
	<i>Non-parametric regression among factor scores</i>	Julien Irmer, Steffen Grønneberg	
	<i>An evaluation of factor model fit procedures under non-normality and high dimensions</i>	Njål Foldnes	
10:15-11:45	Parallel session 1B: "Measurement of non-cognitive constructs"	Chair: Rolf Vegar Olsen	Hagen 3
	<i>The Relationship between Academic Resilience and Psychological Well-Being – an Analysis of Swedish PISA 2018 data</i>	Deborah Elin Siebecke, Kajsa Yang Hansen, Maria Jarl	
	<i>Examining psychometric properties of Woodworth Psychoneurotic Inventory under binary IRT models</i>	Hsin Kao, Chia-Wen Chen	

	<i>Validity and comparability of the leisure time questionnaires in the Evaluation Through Follow-up study</i>	Erika Majoros, Thea Klapp, Alli Klapp	
	<i>Measurement comparability of academic self-perception across and within cohorts in the Evaluation through Follow-up study</i>	Thea Klapp	
	<i>Motivational beliefs and writing performance in Peruvian secondary school students: a multigroup analysis</i>	Frank Villegas	
11:45-12:30	Lunch		
12:30-14:00	Parallel session 2A: "Equating, linking and scaling"	Chair: David Greger	Hagen 1-2
	<i>Improved item response theory ability scales using information theory</i>	Joakim Wallmark	
	<i>Discrete kernels for smoothing score distributions</i>	Jorge González, Marie Wiberg	
	<i>Obtaining comparable scores from multiple test forms in case of non-equivalent groups via repeated covariate equating</i>	Patricia Martinková, Michaela Vařejková, Eva Potužníková	
	<i>Streamlining Item Generation: A Visual and Numerical Systematization of Qualitative Data from Multiple Sources</i>	Tine Nielsen, Morten Pettersson	
12:30-14:00	Parallel session 2B: Modern test design	Chair: Johan Braeken	Hagen 3
	<i>Semi-adaptive designs: The case of the Norwegian numeracy mapping test for primary education</i>	Guri A. Nortvedt, Henrik H. Haram, Karianne Berg Bratting, Oksana Kovpanets, Andreas Pettersen	
	<i>Optimal item calibration for the Swedish national test in Mathematics - design, IRT analysis and results</i>	Ellinor Fackle Fornius, Frank Miller	
	<i>Progressive-Restricted method decreases item exposure in high-stakes Computerized Adaptive Testing</i>	Alexandre Jaloto, Ricardo Primi	
	<i>Visualizing uncertainty to promote understanding of measurement error in score reports</i>	Niek Frans, Benjamin Hummelen, Casper Albers, Muirne Paap	
	<i>Investigating an invariant item-cluster ordering using nonparametric item response theory</i>	Letty Koopman, Johan Braeken	
14:00-14:15	Break		

14:15-15:45	Parallel session 3A: "Multilevel modeling"	Chair: Ronny Scherer	Hagen 1-2
	<i>Classroom Climate and Teacher Self-Efficacy in Culturally and Linguistically Diverse Elementary Classrooms: A State-Trait Analysis</i>	Jacqueline Michelle Peterson	
	<i>Students as informants: A mixed Partial Credit Model to compare school environments</i>	Pablo Torres Iribarra, Maximiliano Romero Miranda, Diego Carrasco Ogaz, Sabine Meinck	
	<i>Effect of item responses and distractor choices on response certainties: an application of multilevel SEM</i>	Chia-Wen Chen, Jinxin Zhu	
	<i>Synthesizing Contextual Effects: A Comparison of the Two-Stage Meta-Analytic and One-Stage Multilevel Modeling Approaches in the presence of Individual Participant Data</i>	Diego Campos, Mike W- Cheung, Ronny Scherer	
14:15-15:45	Parallel session 3B: "Automated scoring and item generation"	Chair: Kim de Roover	Hagen 3
	<i>CheckMate: using natural language processing to help teachers score short answers to open-ended items faster</i>	Joost Kruis	
	<i>Using natural language processing to automate the assessment of student essay content</i>	Aron Fink, Sebastian Gombert, Andreas Frey	
	<i>AI-Literacy Network: Automatically analyzing stories written by primary school students in an international literacy network</i>	Steinrücke Johannes, Amir Haeri Maryam, Roelofs Erik	
15:45-16:00	Break		
16:00-17:00	Keynote: Interrater Reliability and Optimal Weights for components of Multidimensional Observational Instruments	Speaker: Cees Glas Chair: Ronny Scherer	Forum
19:00-22:00	Conference dinner		Eik Annen Etage

Day 2, Thursday, September 7, 2023

Time	Event	Presenter	Location
09:00-10:00	Keynote: The mixture approach to finding measurement invariance across countries	Speaker: Kim de Roover Chair: Johan Braeken	Forum
10:00-10:15	Break		
10:15-11:45	Parallel session 4A: "Assessment designs"	Chair: Monica Rosén	Hagen 1-2
	<i>Advancing DIF Analysis: A Three-Phased Approach for Identifying and Mitigating Bias in High-Stakes Assessments</i>	David Budzynski, Ben Smith	
	<i>Using Diagnostic Models to Evaluate Student Learning Hierarchies in a Large-Scale Assessment</i>	W. Jake Thompson, Brooke Nash, Jeffrey C. Hoover	
	<i>A New Framework for Universally-Designed Assessments</i>	Meagan Karvonen, Cara Laitusis	
	<i>Developing the Basic Skills Assessment: a math test for a high dosage tutoring program</i>	Kim Brandes, Milada Speet, Karmijn Steekelenburg, Thijs van Leuven, Gwendoline Moenandar, Samantha Bouwmeester	
	<i>Implementing game-based assessment: the effect of context authenticity on measurement validity</i>	Aranka Bijl, Sebastiaan de Klerk, Saskia Wools, Bernard Veldkamp	
10:15-11:45	Parallel session 4B: "Disengaged responding"	Chair: Chia-Wen Chen	Hagen 3
	<i>Learning from mistakes - or not? Examining repeated mistakes in app-based learning</i>	Jarl K. Kristensen, Janne v. K. Torkildsen, Björn Andersson	
	<i>From Start to End: Item Nonresponse as a Function of The Sequential Item Position on the PISA 2018 Student Questionnaire</i>	Kseniia Marcq, Johan Braeken	
	<i>Prevalence of Random Responders as a function of Scale Position and Questionnaire Length in the TIMSS 2015 eighth-grade Student Questionnaire</i>	Saskia van Laar, Johan Braeken	
	<i>Test-taking behaviors after manipulation of test stakes</i>	Michalis Michaelides, Despoina Chatzidimitriou, Myria Chatzimichail, Valentina Ierotheou	

11:45-12:30	Lunch		
12:30-14:00	Parallel session 5A: "Adaptive testing"	Chair: Jorge González	Hagen 1-2
	<i>Parallel optimal calibration of mixed-format items for achievement tests</i>	Frank Miller, Ellinor Fackle-Fornius	
	<i>Optimal Item Calibration in the Context of the Swedish Scholastic Aptitude Test</i>	Jonas Bjeremo, Ellinor Fackle Fornius, Frank Miller	
	<i>Dealing with Local Item Dependence in item bank calibration and CAT administration: The item-enemy principle</i>	Johan Braeken, Niek Frans, Muirne Paap	
	<i>Flexible Computer Adaptive Testing: Estimating Item and Total Score Density with Latent Class Models</i>	Anastasios Psychogiopoulos, Niels Smits, Andries van der Ark	
	<i>Semi-adaptive testing with block design – comparing design-determined and estimated item difficulties</i>	Daniel Bergh, Tine Nielsen	
12:30-14:00	Parallel session 5B: "International large scale assessments"	Chair: Björn Andersson	Hagen 3
	<i>The Link between Gender Gaps in School Enrollment and School Achievement</i>	Isa Steinmann, Leslie Rutkowski	
	<i>Behind the scenes: The Transition from Paper-Based to Technology-Based International Large-Scale Assessments</i>	Heiko Sibberns	
	<i>Using TIMSS to evaluate the outcomes of an alternative mathematics curriculum</i>	David Greger, Eva Potužníková, Patrícia Martinková	
	<i>Dimensionality of TIMSS science assessment: are subscale scores sufficiently distinct?</i>	Yuan-Ling Liaw, Rolf Strietholt	
14:00-14:15	Break		
14:15-15:15	Keynote: Potential benefits and challenges of log data in large-scale assessment	Speaker: Frank Goldhammer Chair: Björn Andersson	Forum
15:15-15:30	Close	Johan Braeken	Forum