

Pre-conference workshop, 9:00 - 16:50

Cognitive Diagnosis Modeling: A General Framework Approach and Its Implementation in R

Jimmy de la Torre, The University of Hong Kong

Wenchao Ma, University of Alabama

Room: Faros

Pre-conference Reception & Poster Session, 17:00 - 18:30

Room: Toppsenteret

Welcome, 8:45 - 9:00

Dean of the Faculty of Education, Professor Sten Ludvigsen & Director of CEMO, Professor Sigrid Blömeke

Keynote Speaker, 9:00 - 10:00

Hua-Hua Chang: From adaptive testing to adaptive learning, Chair: Johan Braeken

Break

Session 1A, Room: Hagen 2, Chair: Alina von Davier

Concurrent Sessions 1
10:30 - 12:00

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| Angela Verschoor | An ATA model for multistage testing |
| Yuan-Ling Liaw | Peculiar subgroup's aberrance response behavior in multistage adaptive testing: A simulation study |
| Maaïke M. van Groen | Routing in the multistage end of primary school test |
| Yan Bibby | A feasibility study of multistage adaptive design in classroom assessments |

Session 1B, Room: VIA, Chair: Andreas Frey

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| Leslie Rutkowski | Can multistage testing bridge the cultural measurement divide? |
| Samuel Greiff | Problem solving and its role in large-scale assessments: Transversal skills in educational research |
| Simon Grund | Treatment of missing covariate data in the scaling model in large-scale assessments |
| Eva de Schipper | De-weighting plausible values in international large-scale assessment: A new method for reducing measurement variance |

Lunch, 12:00 - 12:45

Session 2A, Room: Hagen 2, Chair: Cees Glas

Concurrent Sessions 2
12:45 - 14:15

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| Peter van Rijn | A quadrature Kalman filter for estimating MIRT models for sequential data |
| Björn Andersson | Efficient estimation of item response theory models with multiple groups in large-scale educational assessments |
| Maria Bolsinova | Nonlinear item-level moderation in measurement models: Exploring the relationship between product and process data |

Session 2B, Room: VIA, Chair: Marie Wiberg

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| Gabriel Wallin | Revisiting the Bahadur representation of sample quantiles for the standard error of kernel equating |
| Waldir Leoncio | A new likelihood approach for the simultaneous estimation of IRT equating coefficients on multiple forms |
| Aron Fink | Criterion-referenced adaptive university exams: Effects of different linking designs on ability estimates |
| Monika Vaheoja | Resetting the standard with IRT concurrent calibration and Circle-arc equating in small samples |

Break

Keynote Speaker, 14:30-15:30

Harvey Goldstein: Current challenges for the modelling of educational data, Chair: Rolf Vegar Olsen

Break

Panel Discussion, 15:45 - 17:15

Educational measurement and educational theory: two fields apart?

Alina von Davier, Cees Glas, Gabriele Kaiser, Eckhard Klieme, Sten Ludvigsen, Monica Melby-Lervåg, David Rutkowski, Sigrid Blömeke

Light Reception, 17:15 - 18:15

Conference Dinner, 20:00 - 23:00

Keynote Speaker, 8:30 - 9:30

Alina von Davier: The argument for a "Data Cube" for large-scale psychometric data, Chair: Sigrid Blömeke

Break

Concurrent Sessions 3
9:45 - 11:15

Session 3A, Room: Hagen 2, Chair: Björn Andersson

- Janine Buchholz Measurement invariance in PISA 2015: A systematic investigation of patterns across questionnaires, scales and countries
Brandi A. Weiss Detecting differential item functioning with entropy in logistic regression
Gavin T. L. Brown The MIMIC pure anchor method for DIF: Detecting psychological impact, not bias
Hana Voňková Enhancing the comparability of self-reported knowledge using the overclaiming technique

Session 3B, Room: VIA, Chair: Jimmy de la Torre

- David Magis More accurate asymptotic standard error formulas for IRT ability estimators
Steven Andrew Culpepper Advancing exploratory cognitive diagnosis models for educational measurement and classroom assessments
Gabriel Nagy A HYBRID IRT Model for test-taking persistence in low-stakes tests

Concur. Sess. 4
11:20 - 12:05

Session 4A, Room: Hagen 2, Chair: Ronny Scherer

- Denise Reis Costa Exploring log files in international large-scale assessments: Methods, practices and tools
Johannes Naumann Educational assessment and model building using process data: Issues of open science and replication

Session 4B, Room: VIA, Chair: Rolf Vegar Olsen

- Marie Wiberg Optimal scores in comparison to sum scores and parametric IRT scores
Jeppe Bundsgaard On proficiency scales and errors of measurement for educational tests

Lunch, 12:05 - 13:00

Concurrent Sessions 5
13:00 - 14:30

Session 5A, Room: Hagen 2, Chair: Sigrid Blömeke

- Dan Cloney Using educational measurement to support countries to achieve the Sustainable Development Goals in post-conflict contexts.
Claire Scoular Creating a vertical scale to support the Sustainable Development Goal agenda of lifelong learning.
Meagan Karvonen Large-scale alternate assessments based on fine-grained learning maps: Opportunities and challenges
Susanne Schmidt Performance assessment of learning in higher education

Session 5B, Room: VIA, Chair: Hua-Hua Chang

- Johan Braeken Asymmetry in fixed-precision M-CAT: Multidimensional selection versus marginal stopping
Muime Paap Comparing multidimensional to unidimensional CAT under two empirical scenarios: The impact of design factors
Bernard Veldkamp Stochastic programming for automated test assembly with uncertainty in the item parameters or in the responses
Andreas Frey Continuous item calibration in computerized adaptive testing

Break

Keynote Speaker, 14:45-15:45

Dylan Molenaar: Psychometrics and response times: What, why, how, and where?, Chair: Björn Andersson

Closing Remarks, 15:45 - 16:00