

**CONFERENCE PROGRAM**

**Monday 14 September 2015**  
**Registration 08:00 – 16:30**

TIME	BOWETT ROOM (80)	ARMITAGE ROOM (40)	ERASMUS ROOM (50)	ANGEVIN ROOM (25)
08:45 – 10:15	<b>Workshop 1</b> <b>Computerized Multistage Adaptive Testing</b> Duanli Yan, Alina von Davier and Kyung “Chris” Han ( <i>GMAC</i> )	<b>Workshop 2</b> <b>CAT simulations: how and why to perform these?</b> Presenter: Angela Verschoor and Theo Eggen ( <i>Cito and University of Twente</i> )	<b>Workshop 3</b> <b>An introduction to CAT</b> Presenter: Nate Thompson ( <i>ASC</i> )	<b>Workshop 4</b> <b>Building and delivering online CAT using open-source Concerto Platform</b> Presenter: Michal Kosinski ( <i>Stanford</i> )
10:15 – 10:30	Break			
10:30 – 12:00	Workshops continued			
12:00 – 12:45	Lunch			
12:50 – 13:00	<b>Opening and Welcome</b> John Rust ( <i>Psychometrics Centre</i> )			
13:00 – 13:30	<b>Presidential address</b> <b>Title: Improving precision of CAT measures</b> John Barnard ( <i>EPEC</i> )			
13:30 – 14:10	<b>Keynote presentation 1</b> <b>Topic: A self-replenishing Adaptive test</b> Wim van der Linden ( <i>Pacific Metrics Corporation</i> ) Chair: John Barnard			

14:10 – 14:30	Break			
	<b>Parallel Session 1 (Symposium)</b> Chair: Alina von Davier	<b>Parallel Session 7 (Symposium)</b> Chair: Shiyu Wang	<b>Parallel Session 13 (Symposium)</b> Chair: Gage Kingsbury	
14:30 – 16:00	<b>Topic: CAT around the world</b> Presenters: Tetsuo Kimura: CAT developments in Japan John Barnard: CAT Down Under – developments in Australia Marie de Beer: CAT in South Africa John Rust: CAT in the United Kingdom	<b>Topic: New developments in CAT by graduate students at UIUC</b> Presenters: <b>Study 1</b> (Hyeon-Ah Kang, Yi Zheng & Hua-Hua Chang): Online Calibration Strategies for a Joint Model of Item Responses and Response Times in CAT <b>Study 2</b> (Justin Kern & Hua-Hua Chang): Maximizing All the Information: Using Response Times in CAT <b>Study 3</b> (Edison M. Choe, Jinming Zhang & Hua-Hua Chang): Utilizing Response Time in Sequential Detection of Compromised Items in CAT	<b>Topic: Some bothersome problems for operational CAT and some potential solutions</b> Presenters: Anthony Zara: Producing CAT scores for test takers who run out of time Brian D. Bontempo: CAT for Rapidly Changing Content Domains G. Gage Kingsbury: Can CAT give us knowledge about idiosyncratic performance?	
16:00 – 16:15	Break			
	<b>Parallel Session 2 (Symposium continued)</b> Chair: Alina von Davier	<b>Parallel Session 8 (Symposium continued)</b> Chair: Shiyu Wang	<b>Parallel Session 14</b> Chair: Shungwon Ro	
16:15 – 17:45	<b>Topic: CAT around the world - continued</b> Presenters: Andreas Frey: CAT in German speaking	<b>Topic: New developments in CAT by graduate students at UIUC - continued</b> <b>Study 4</b> (Chanjin Zheng & Hua-Hua	<b>Topic: A computer-adaptive measure of delay discounting</b> Presenter: Vaishali Mahalingam, Michael Palkovics, Michal	

	<p>countries</p> <p>Theo Eggen: CAT in Education in The Netherlands</p> <p>Mariana Curi: CAT developments in Brazil.</p> <p>Alina von Davier: Adaptive tests in the USA</p>	<p>Chang): Stratification strategies for CD-CAT based on linear/binary search</p> <p><b>Study 5</b> (Susu Zhang &amp; Hua-Hua Chang): The Relationship between Q-Matrix Specification and Item Exposure Rate in CD-C</p>	<p>Kosinski &amp; David Stillwell</p> <p><b>Topic: Improving CAT test fairness with comparable latency for pretest items</b></p> <p>Presenter: Sung-Hyuck Lee, Bruce Williams, Wugen Dai, Richard Sullivan &amp; Jason He</p> <p><b>Topic: Computer adaptive measurement of quality of life across cultures: Results from IRT and CAT simulation studies</b></p> <p>Presenter: Chris Gibbons</p> <p><b>Topic: A Variable Length CAT for Ranking Data in Forced Choice Assessments</b></p> <p>Presenter: Shungwon Ro, Chia-Wen Chen, Wen-Chung Wang and Xue-Lan Qiu</p>	
18:30	Welcoming reception: Fitzwilliam museum			

**Tuesday 15 September 2015**

09:00 – 09:40	<p><b>Keynote presentation 2</b>  <b>Title: Multidimensional CAT: Calibration, model fit and secondary analysis</b>          Cees Glas (<i>University of Twente</i>)          Chair: Theo Eggen</p>		
09:40 – 10:15	<p><b>Early Career Researcher Award</b>  <b>Title: Optimal Design and Scoring for Adaptive Multi-Stage Testing: A Tree-Based Approach</b>          Duanli Yan (<i>ETS</i>)          Chair: John Barnard</p>		
10:15 – 10:30	<b>Break</b>		
	<p><b>Parallel Session 3</b>          Chair: Nate Thompson</p>	<p><b>Parallel Session 9</b>          Chair: Haniza Yon</p>	<p><b>Parallel Session 15</b>          Chair: Marie de Beer</p>
10:30 – 12:00	<p><b>Topic: A practical model for CAT development</b>          Presenter: Nathan Thompson</p> <p><b>Topic: An exploratory study of starting a CAT with a non-scaled item pool</b>          Presenter: Deborah Harris, Chunyan Liu &amp; Troy Chen</p> <p><b>Topic: Moving the New Zealand Progressive Achievement Tests into the Computer Adaptive Domain</b>          Presenter: Hilary Ferral</p>	<p><b>Topic: Development of a computerized adaptive face perception test</b>          Presenter: Roeland Verhallen &amp; Luning Sun</p> <p><b>Topic: Development of an adaptive integrity test</b>          Presenter: Haniza Yon, Norsyahida Abd Kadir, Nur Ayu Johar &amp; Nur Mutalib</p> <p><b>Topic: Response Formats and Trait Estimation Efficiency in Computerized Adaptive Testing</b>          Presenter: Yin Lin &amp; Anna Brown</p>	<p><b>Topic: Evaluating the comparability of CAT tests across test delivery platforms</b>          Presenter: Agnieszka Walczak &amp; Ardeshir Geranpayeh</p> <p><b>Topic: Empirical comparison of scoring rules at early stages of CAT</b>          Presenter: David Magis</p> <p><b>Topic: An Improved Online Item Calibration Method for Multidimensional Computerized Adaptive Testing</b>          Presenter: Ping Chen, Chun Wang &amp; Jihong Xu</p>

12:00 – 12:55	Lunch / IACAT Board meeting		
13:00 – 13:40	<p><b>Keynote presentation 3</b></p> <p><b>Title: Some exciting new developments concerning CAT foundations and implementations</b></p> <p>Hua-Hua Chang (<i>University of Illinois</i>)</p> <p>Chair: Nate Thompson</p>		
	<p><b>Parallel Session 4</b></p> <p>Chair: Andreas Frey</p>	<p><b>Parallel Session 10</b></p> <p>Chair: Alper Şahin</p>	<p><b>Parallel Session 16</b></p> <p>Chair: Tetsuo Kimura</p>
13:45 – 15:15	<p><b>Topic: Which way did he go?: An examination of routing and scoring in a ca-MST</b></p> <p>Presenter: Andrew Dallas &amp; Richard Luecht</p> <p><b>Topic: Development of Multi Stage Tests based on teacher ratings.</b></p> <p>Presenter: Stephanie Berger</p> <p><b>Topic: Multistage Testing with routing based on performance on different test sections</b></p> <p>Presenters: Kyung (Chris) Han, Fanmin Guo &amp; Eileen Talento-Miller</p>	<p><b>Topic: CloudCAT: Implementing CAT as a Web-service</b></p> <p>Presenter: Haniza Yon, Rense Lange, Nur Ainshah, Abid Altaf &amp; Norsyahida Kadir</p> <p><b>Topic: How IRT helps LinguaLeo to build accurate placement procedures.</b></p> <p>Presenter: Dmitry Abakumov</p> <p><b>Topic: The design and development of a web-based adaptive Raven’s-like automatic test generator</b></p> <p>Presenter: Isaac Thimbleby</p> <p><b>Topic: Effects of errors in item parameter estimates on recovery of theta estimates in CAT</b></p> <p>Presenter: Alper Şahin &amp; David J. Weiss</p>	<p><b>Topic: Improvement and evaluation of a small-scale ESP CAT</b></p> <p>Presenter: Tetsuo Kimura &amp; Yukie Koyama</p> <p><b>Topic: A successful experiment of computer adaptive test of abilities in the graduate employability development domain</b></p> <p>Presenter: V Natarajan</p> <p><b>Topic: An application of computerized adaptive testing in audiological assessment</b></p> <p>Presenter: Wayne Garrison &amp; Joseph Bochner</p> <p><b>Topic: Estimating reliability in Linear on the fly (LOFT) designs</b></p> <p>Presenter: Tammy Trierweiler</p>
15:15 – 15:30	Break		
15:30 – 16:15	<p><b>Keynote presentation 4</b></p> <p><b>Topic: The future of CAT should be open source</b></p> <p>Michal Kosinski (<i>University of Stanford</i>)</p> <p>Chair: John Rust</p>		

16:30	Excursion: College Backs Punting Tour
18:30	Conference dinner: St Catherine's

**Wednesday 16 September 2015**

09:00 – 09:40	<p><b>Keynote presentation 5</b>  <b>Topic: Happy CAT: Options to allow test takers to review and change responses in CAT</b>          Kyung (Chris) Han (<i>GMAC</i>)          Chair: Alina von Davier</p>		
09:40 – 10:15	<p><b>Keynote presentation 6</b>  <b>Topic: Test construction based on the Rasch Poisson counts models</b>          Heinz Holling (<i>University of Muenster</i>)          Chair: John Rust</p>		
10:15 – 10:30	<b>Break</b>		
	<p><b>Parallel Session 5</b>          Chair: Gage Kingsbury</p>	<p><b>Parallel Session 11</b> (Early career researchers Part 1)          Chair: John Barnard</p>	<p><b>Parallel Session 17</b>          Chair: Duanli Yan</p>
10:30 – 12:00	<p><b>Topic: Comparing CATS and the block review method in providing review options in CAT</b>          Presenter: Zhongmin Cui, Chunyan Liu, Yong He &amp; Hanwei Chen</p> <p><b>Topic: Identifying item enemies in a CAT pool using a chi-square goodness-of-fit test</b>          Presenters: Brian Bontempo, Steve Wise, Gage Kingsbury &amp; Ron Houser</p> <p><b>Topic: Optimal greedy item selection for constrained tests</b>          Presenter: Daniel Bengs</p>	<p><b>Topic: A Partial Likelihood Method for Computerized Adaptive Testing to Allow for Response Revision</b>          Presenter: Shiyu Wang</p> <p><b>Topic: Evaluating effectiveness of standard error of score estimation as a termination criterion in CAT.</b>          Presenter: Chansoon Lee</p> <p><b>Topic: Rules induction based method for the item selection in computer adaptive testing.</b>          Presenter: Maria Rafalak</p> <p><b>Topic: Latent Class Based Item Selection for CAT in</b></p>	<p><b>Topic: Skinning a CAT in the real world: How an educational authority transitioned a low stakes assessment to CAT using Concerto</b>          Presenter: Andrew Kyngdon</p> <p><b>Topic: Skinning a CAT ... continued (double session)</b>          Presenter: Andrew Kyngdon</p> <p><b>Topic: Heuristic Constraint Management Methods in Multidimensional Adaptive</b></p>

		<b>Progress Tests.</b> Presenter: Nikky van Buuren	<b>Testing</b> Presenter: Sebastian Born
12:00 – 12:55	Lunch		
	<b>Parallel Session 6</b> Chair: Richard Luecht	<b>Parallel Session 12</b> (Early career researchers Part 2) Chair: John Barnard	<b>Parallel Session 18</b> Chair: Alper Şahin
13:00 - 14:30	<p><b>Topic: Transitioning from linear testing to Multistage Testing: A case study.</b>          Presenter: Maaïke van Groen</p> <p><b>Topic: Design and implementation of a large-scale computer-3-4 zed adaptive multistage testing system for reading and listening</b>          Presenter: Richard Luecht</p> <p><b>Topic: The development of a computerized adaptive test with online calibration</b>          Presenter: Angela Verschoor &amp; Stephanie Berger</p>	<p><b>Topic: Self-Adapted Testing as Formative Assessment: Effects of Feedback and Scoring on Engagement and Performance.</b>          Presenter: Meirav Arieli-Attali</p> <p><b>Topic: Weighted-Probability Based Classification for Computerized Classification Testing.</b>          Presenter: Victoria Song</p> <p><b>Topic: Item selection criteria for Logistic Positive Exponent model-based Computerized Adaptive Testing</b>          Presenter: Thales Akira Matsumoto Ricarte</p> <p><b>Topic: Application of the Adaptive Measurement of Change to Measuring Achievement Growth in Reading and Mathematics</b>          Presenters: Chaitali Phadke, David J. Weiss &amp; Theodore Christ</p>	<p><b>Topic: Multidimensional IRT versus Mean Adjustment in Estimating Cognitive Ability Scores</b>          Presenter: Darrin Grelle</p> <p><b>Topic: Item Selection Method Based on Attribute Mastery Probability for CD-CAT</b>          Presenter: Xiaofeng Yu</p> <p><b>Topic: The first stage items selection methods of CD-MST</b>          Presenter: Chunlei Gao, Zhaosheng Luo, Chanjin Zheng, Xiaofeng Yu, Peida Zhan</p> <p><b>Topic: Two ways to unleash CAT's true potential</b>          Presenter: Thomas Garrard</p>
14:35 – 15:05	<b>Keynote presentation 7</b> <b>Topic: Learning parameters in learning environments: Trials and tribulations</b> Kevin Wilson ( <i>Knewton</i> ) Chair: Cliff Donath		
15:05 – 15:30	<b>Wrap-up and closing</b>		