

## IACAT 2017 CONFERENCE PROGRAM (7718)

Click on the Session numbers for session videos and Session titles for ppt files. Please note that ppt files are not available for all sessions.

Day 1

18 August 2017, Friday

Registration 08:00 – 16:30

TIME	301A	301B	303+304	306+307
08:45 – 10:15	<p><b>Workshop 1</b></p> <p>Introduction to Developing a CAT. <i>Nathan Thompson &amp; John Barnard</i></p>	<p><b>Workshop 2</b></p> <p>CAT Simulations: How and Why? <i>Theo Eggen &amp; Angela Verschoor</i></p>	<p><b>Workshop 3</b></p> <p>The Shadow-test Approach to Adaptive Testing. <i>Michelle Barrett &amp; Wim van der Linden</i></p>	<p><b>Workshop 4</b></p> <p>Multivariate CAT <i>Chun Wang &amp; Ping Chen</i></p>
10:15 – 10:30	Break (Coffee/Tea will be served at 302)			
10:30 – 11:55	Workshops Continued			
12:00 – 12:45	Lunch (at 302)			
12:50 – 13:10	<p><a href="#">Opening and Welcome - Marine Hall (4<sup>th</sup> floor)</a> <i>Tetsuo Kimura (Niigata Seiryō University)</i></p>			
13:15 – 14:00	<p><a href="#">Presidential address - Marine Hall (4F)</a> <a href="#">How Adaptive is an Adaptive Test: Are all Adaptive Tests Adaptive?</a> <i>Mark Reckase (IACAT President)</i></p>			
14:05 – 14:25	Break (Coffee/Tea will be served at 302)			
14:30 – 15:30	<p><a href="#">Parallel Session 1.2.1.1</a> (Item generation and pool assembly) <a href="#">Using Automated Item Generation in a Large-scale Medical Licensure Exam Program: Lessons Learned.</a> <i>André F. De Champlain</i></p>	<p><a href="#">Parallel Session 1.2.2.1</a> (Other) Item Selection Strategies for Developing CAT in Indonesia <i>Istiani Chandra</i></p>	<p><a href="#">Parallel Session 1.2.3.1</a> (MST) <a href="#">Scripted On-the-Fly Multistage Testing</a> <i>Edison Choe, Bruce Williams &amp; Sung-Hyuck Lee</i></p>	

	<p><a href="#">Parallel Session 1.2.1.2</a> (Item generation and pool assembly) <a href="#">Generating Rationales to Support Formative Feedback in Adaptive Testing</a> <i>Mark Gierl &amp; Okan Bulut</i></p>	<p><a href="#">Parallel Session 1.2.2.2</a> (Psychometric and technical) <a href="#">A Comparison of Three Empirical Reliability Estimates for Computerized Adaptive Testing</a> <i>Dong Gi Seo</i></p>	<p><a href="#">Parallel Session 1.2.3.2</a> (Classification and Diagnosis) Using Bayesian Decision Theory in Cognitive Diagnosis Computerized Adaptive Testing <i>Chia-Ling Hsu, Wen-Chung Wang &amp; Shu-Ying Chen</i></p>	
<p>17:30 – 20:00</p>	<p>Welcoming Reception: (Japanese food and sake) Venue: Hotel Nikko Niigata Banquet Room "Toki" (a few minutes' walk from the conference venue) Attraction: Geisha dance performance</p>			



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**DAY 2**  
**19 August 2017, Saturday**

TIME	301A	301B	303+304
09:00 – 09:40	<a href="#">Keynote 1 - Marine Hall (4F)</a> Item Selection Rules and Test Security in Computerized Adaptive Testing. <i>Juan Barrada</i>		
09:45 – 10:25	<b>Early Career Researcher Award - MARINE HALL (4F)</b> Multistage Testing with Multiple Subjects <i>Maaïke van Groen</i>		
10:30 – 10:45	<b>Break (Coffee/Tea will be served at 302)</b>		
10:50 – 11:50	<p><b><a href="#">Parallel Session 2.1.1.1</a></b>                      (Item banking and management)  <a href="#">Issues in Trait Range Coverage for Patient Reported Outcome Measure CATs - Extending the Ceiling for Above-average Physical Functioning</a>  <i>Richard C. Gershon</i></p> <p><b><a href="#">Parallel Session 2.1.1.2</a></b>                      (Item banking and management)  <a href="#">Evaluation of Parameter Recovery, Drift, and DIF with CAT Data</a>  <i>Nathan Thompson &amp; Jordan Stoeger</i></p>	<p><b><a href="#">Parallel Session 2.1.2.1</a></b>                      (Psychometric and technical)                      New Results on Bias in Estimates due to Discontinue Rules in Intelligence Testing  <i>Matthias von Davier, Youngmi Cho &amp; Tianshu Pan</i></p> <p><b><a href="#">Parallel Session 2.1.2.2</a></b>                      (Psychometric and technical)                      Comparison of Pretest Item Calibration Methods in a Computerized Adaptive Test (CAT)  <i>Huijuan Meng &amp; Chris Han</i></p>	<p><b><a href="#">Parallel Session 2.1.3.1</a></b>                      (Classification and diagnosis)                      A New Cognitive Diagnostic Computerized Adaptive Testing for Simultaneously Diagnosing Skills and Misconceptions  <i>Bor-Chen Kuo &amp; Chun-Hua Chen</i></p> <p><b><a href="#">Parallel Session 2.1.3.2</a></b>                      (Classification and diagnosis)  <a href="#">A Simulation Study to Compare Classification Method in Cognitive Diagnosis Computerized Adaptive Testing</a>  <i>Jing Yang, Jian Tao, Hua-Hua Chang &amp; Ning-Zhong Shi</i></p>
11:55 – 12:40	<b>Lunch (at 302)</b>		
12:45 – 13:25	<b><a href="#">Keynote 2 - Marine Hall (4F)</a></b> Computerised Adaptive Testing and English for Specific Purposes. <i>Yukie Koyama</i>		

TIME	301A	301B	303+304
13:30 – 14:30	<p><b><u>Parallel Session 2.2.1.1</u></b> (CATs and language testing) <a href="#">Applying the Graded Response Model for Estimating the Learning Possibility Score of L2 Learners</a> <i>Sei Sumi &amp; Yoshimitsu Miyazawa</i></p> <p><b><u>Parallel Session 2.2.1.2</u></b> (CATs and language testing) Is CAT Suitable for Automated Speaking Test? <i>Shingo Imai</i></p>	<p><b><u>Parallel Session 2.2.2.1</u></b> (Large scale testing programs, K-12) <a href="#">The Implementation of Nationwide High Stakes Computerized (adaptive) Testing in the Netherlands</a> <i>Mia van Boxel &amp; Theo Eggen</i></p> <p><b><u>Parallel Session 2.2.2.2</u></b> (Large scale testing programs, K-12) <a href="#">A Large-Scale Progress Monitoring Application with Computerized Adaptive Testing</a> <i>Okan Bulut &amp; Damien Cormier</i></p>	<p><b><u>Parallel Session 2.2.3.1</u></b> (Other) DIF-CAT: Doubly Adaptive CAT Using Subgroup Information to Improve Measurement Precision <i>Joy Wang, David J. Weiss &amp; Chun Wang</i></p> <p><b><u>Parallel Session 2.2.3.2</u></b> (Other) <a href="#">Measuring Intra-Individual Change on More Than Two Occasions with hypothesis testing methods</a> <i>Chaitali Phadke &amp; David J. Weiss</i></p>
14:35 – 14:50	<b>Break(Coffee/Tea will be served at 302)</b>		
14:55 – 16:45	<p><b><u>Symposium 1 - Marine Hall (4F) Part 1- Part 2 Video</u></b> <a href="#">Item Pool Design and Evaluation.</a> <i>Mark Reckase, Wei He, Jing-Ru Xu &amp; Xuechun Zhou</i></p>		
17:30 – 20:30	<p>Conference Dinner (Western food and wine) Venue: Riverside Restaurant "Porto Cave d'Occi" <a href="http://www.docci.com/shop/porto/">http://www.docci.com/shop/porto/</a> (River boat will leave just in front of the conference venue)</p>		

**Day 3**  
**20 August 2017, Sunday**

TIME	301A	301B	303+304
09:00 – 09:40	<p><a href="#">Keynote 3 - Marine Hall (4F)</a> Grow a Tiger out of Your CAT. <i>Angela Verschoor</i></p>		
09:45 – 10:35	<p><a href="#">Symposium 2 (Part 1 of 2) - Marine Hall (4F)</a> Multistage Adaptive Testing: Developments, Challenges, and Solutions. <i>Duanli Yan, Alina von Davier &amp; Yue Helena Jia</i></p>		
10:40 – 10:55	Break (Coffee/Tea will be served at 302)		
11:00 – 12:00	<p><a href="#">Symposium 2 (Part 2 of 2) - Marine Hall (4F)</a> Multistage Adaptive Testing: Developments, Challenges, and Solutions. <i>Duanli Yan, Alina von Davier &amp; Yue Helena Jia</i></p>		
12:05 – 12:55	Lunch (at 302)		
13:00 – 14:00	<p><a href="#">Symposium 3 (Part 1 of 2)</a> <a href="#">New Challenges (With Solutions) and Innovative Applications of CAT</a> <i>Chun Wang, David J. Weiss, Xue Zhang, Jian Tao, Yinhong He, Ping Chen, Shiyu Wang, Susu Zhang, Haiyan Lin, Xiaohong Gao, Hua-Hua Chang &amp; Zhuoran Shang</i></p>	<p><a href="#">Parallel Session 3.2.1.1</a> (Other) Considerations in Performance Evaluations of Computerized Formative Assessments <i>Michael Chajewski &amp; John Harnisher</i></p> <p><a href="#">Parallel Session 3.2.1.2</a> (Psychometric and Technical) Item Parameter Drifting and Online Calibration <i>Hua-Hua Chang and Rui Guo</i></p>	<p><a href="#">Parallel Session 3.2.2.1</a> (Other) Adaptive Item and Feedback Selection in Personalized Learning with a Network Approach <i>Nikky van Buuren, Hendrik Straat, Theo Eggen &amp; Jean-Paul Fox</i></p> <p><a href="#">Parallel Session 3.2.2.2</a> (MST) <a href="#">Efficiency of Targeted Multistage Calibration Designs under Practical Constraints: A Simulation Study</a> <i>Stephanie Berger, Angela J. Verschoor, Theo J. H. M. Eggen, &amp; Urs Moser</i></p>

<p>14:05 – 15:05</p>	<p><b><u>Symposium 3 (Part 2 of 2)</u></b>                  New Challenges (With Solutions) and Innovative Applications of CAT   <i>Chun Wang, David J. Weiss, Xue Zhang, Jian Tao, Yinhong He, Ping Chen, Shiyu Wang, Susu Zhang, Haiyan Lin, Xiaohong Gao, Hua-Hua Chang &amp; Zhuoran Shang</i></p>	<p><b><u>Parallel Session 3.2.3.1</u></b>                  (Classification and diagnosis)                  Adaptivity in a Diagnostic Educational Test   <i>Sanneke Schouwstra</i></p> <p><b><u>Parallel Session 3.2.3.2</u></b>                  (Applications and security)   <u>Concerto 5 Open Source CAT Platform: From Code to Nodes</u>   <i>David Stillwell</i></p>	<p><b><u>Parallel Session 3.2.4.1</u></b>                  (Cognitive diagnosis)                  Computerized Adaptive Testing for Cognitive Diagnosis in Classroom: A Nonparametric Approach   <i>Yuan-Pei Chang, Chia-Yi Chiu &amp; Rung-Ching Tsai</i></p> <p><b><u>Parallel Session 3.2.4.2</u></b>                  (Cognitive Diagnosis)   <u>Efficiency of Item Selection in CD-CAT Based on Conjunctive Bayesian Network Modeling Hierarchical attributes</u>   <i>Soo-Yun Han &amp; Yun Joo Yoo</i></p>
<p><b>15:10 – 15:25</b> Break (Coffee/Tea will be served at 302)</p>			
<p>15:30 – 16:30</p>	<p><b><u>Parallel Session 3.2.5.1</u></b>                  (Item banking and management)  <u>Developing a CAT: An Integrated Perspective</u>   <i>Nathan Thompson</i></p> <p><b><u>Parallel Session 3.2.5.2</u></b>                  (Item banking and management)  <u>Analysis of CAT Precision Depending on Parameters of the Item Pool</u>   <i>Anatoly Maslak &amp; Stanislav Pozdniakov</i></p>	<p><b><u>Parallel Session 3.2.6.1</u></b>                  (MST)  <u>Using Determinantal Point Processes for Multistage Testing</u>   <i>Jill-Jênn Vie</i></p> <p><b><u>Parallel Session 3.2.6.2</u></b>                  (MST)                  MHK-MST Design and the Related Simulation Study   <i>Ling Yuyu, Zhou Chenglin &amp; Ren Jie</i></p>	<p><b><u>Parallel Session 3.2.7.1</u></b>                  (Item Selection)                  Using Computerized Adaptive Testing to Detect Students’ Misconceptions: Exploration of Item Selection   <i>Yawei Shen, Yu Bao, Shiyu Wang &amp; Laine Bradshaw</i></p> <p><b><u>Parallel Session 3.2.7.2</u></b>                  (Other)                  Item Response Time on Task Effect in CAT   <i>Yang Shi</i></p>
<p>17:30 – 20:30</p>	<p>Excursion to suburb old wooden museum (Japanese food)                  Venue: Northern Culture Museum  <a href="http://www.hoppou-bunka.com/index.html">http://www.hoppou-bunka.com/index.html</a>                  (Bus will leave just in front of the conference venue)</p>		

**Day 4**  
**21 August 2017, Monday**

TIME	301A	301B	303+304
09:00 – 09:40	<p><a href="#">Keynote 4 - Marine Hall (4F)</a>  <a href="#">From Blueprints to Systems: An Integrated Approach to Adaptive Testing.</a>  <i>Gage Kingsbury &amp; Tony Zara</i></p>		
09:45 – 10:45	<p><a href="#">Symposium 4 (Part 1 of 2)</a>                      Bayesian Perspectives on Adaptive Testing  <i>Wim van der Linden, Bingnan Jiang, Hao Ren, Seung W. Choi &amp; Qi Diao</i></p>	<p><a href="#">Symposium 5 (Part 1 of 2)</a>  <a href="#">Multi-stage Testing for a Multi-disciplined End-of-primary-school Test</a>  <i>Hendrik Straat, Maaike van Groen, Wobbe Zijlstra, Marie-Anne Keizer-Mittelhaeuser &amp; Michel Lamoré</i></p>	<p><a href="#">Parallel Session 4.1.1.1</a>                      (Item generation and pool assembly)  <a href="#">Construction of Gratitude Scale Using Polytomous Item Response Theory Model</a>  <i>Nurul Arbiyah</i></p> <p><a href="#">Parallel Session 4.1.1.2</a>                      (Other)                      Adapting Linear Models for Optimal Test Design to More Complex Test Specifications  <i>Maxim Morin</i></p>
10:50 – 11:05	<p><b>Break (Coffee/Tea will be served at 302)</b></p>		
11:10 – 11:40	<p><a href="#">Symposium 4 (Part 2 of 2)</a>                      Bayesian Perspectives on Adaptive Testing  <i>Wim van der Linden, Bingnan Jiang, Hao Ren, Seung W. Choi &amp; Qi Diao</i></p>	<p><a href="#">Symposium 5 (Part 2 of 2)</a>  <a href="#">Multi-stage Testing for a Multi-disciplined End-of-primary-school test</a>  <i>Hendrik Straat, Maaike van Groen, Wobbe Zijlstra, Marie-Anne Keizer-Mittelhaeuser &amp; Michel Lamoré</i></p>	<p><a href="#">Parallel Session 4.1.2.1</a>                      (Other)                      The Development of a Web-Based CAT in China  <i>Chongli Liang, Danjun Wang, Dan Zhou &amp; Peida Zhan</i></p>
11:45 – 12:40	<p><b>Lunch (at 302)</b></p>		

TIME	301A	301B	303+304
12:45 – 13:45	<p><b>Parallel Session 4.2.1.1</b> (Next generation CATs)</p> <p><a href="#">FastCAT – Customizing CAT Administration Rules to Increase Response Efficiency</a></p> <p><i>Richard C. Gershon</i></p>	<p><a href="#">Parallel Session 4.2.2.1</a> (Other)</p> <p><a href="#">Response Time and Response Accuracy in Computerized Adaptive Testing</a></p> <p><i>Yang Shi</i></p> <p><b>Parallel Session 4.2.2.2</b> (MST)</p> <p>An Empirical Simulation Study Using mstR for MST Designs</p> <p><i>Soo Lee</i></p>	<p><a href="#">Parallel Session 4.2.3.1</a> (Psychometric and Technical)</p> <p><a href="#">An Imputation Approach to Handling Incomplete Computerized Tests</a></p> <p><i>Troy Chen, Chi-Yu Huang &amp; Chunyan Liu</i></p>
13:50 – 14:30	<b>Wrap-up and Closing (MARINE HALL-4F)</b>		