CONFERENCE PROGRAM

Sunday, September 22

Pre-Conference Workshops

9:00 am - 12:30 pm	**Improving Formative Assessment Capacities at Scale: Implications for Schooling in Developing Nations.** *Anil Kanjee; Tshwane University of Technology, South Africa*
	Innovations in Methodologies to Understand and Learn From Student and Group Behaviors on Large-Scale Assessments. *Hongwen Guo, Yang Jiang, Xiang Liu, Luis Saldivia; ETS, United States*
12:30 pm - 1:00 pm	**Lunch**
1:00 pm - 4:30 pm	**Best Practices for Artificial-Intelligence Scoring of Constructed Responses.** *Jodi Casabianca; ETS, United States*

Welcome Reception

7:00 pm - 8:30 pm

Posters

These posters will be available for viewing during breaks in the area near the sponsor booths.

Title: Understanding the Impact of Language on Foundational Learning: Insights from Foundational Learning Study (FLS) 2022
Author: Indrani Bhaduri (India)

Title: Ensuring the Inter-Rater Reliability of Scores on Fine Arts Subjects: The Aga Khan University Examination Board Experience
Author: Munira Muhammad Rangwala (Pakistan)

Title: Identifying and Mitigating Learning Disparities in Elementary Mathematics Through National Achievement Survey Data Analysis
Author: Dinesh Saklani (India)

Title: Ensuring Standardization and Fairness across Multiple Examination Administrations: Aga Khan University Examination Board Experience
Author: Naveed Yousuf (Pakistan)

CONFERENCE PROGRAM

DAY 1

Monday, September 23, 2024

9:00 am - 10:00 am	**Opening Ceremony** *Remarks by Mary Pitoniak, IAEA President, and Amit Sevak, CEO of ETS*
10:00 am - 10:30 am **Chair:** Mary Pitoniak	**Keynote: What Is Really Possible With AI? Real-Life, Practical Uses of AI in Assessment** *Sue Lottridge, Cambium Assessment*
10:30 am - 11:30 am	**Panel Discussion**
Chair: Wayne Wesley	**Title:** Best Practices in Use of AI in Assessments. **Panelists:** Jill Burstein, Duolingo; Jim Crawford, Surpass Assessments; Matt Johnson, ETS. **Moderator:** Chris Runyon, National Board of Medical Examiners.
11:30 am - 12:00 pm	**Break**
12:00 pm - 1:30 pm	**Simultaneous Session 1**
Measuring Higher-Order and 21st Century Skills **Chair:** Burcu Arslan	**Title:** A Proposed Framework for Assessing AI Literacy in K–12 Students **Presenter:** Srijita Chakraburty, Karyssa Courey, Teresa Ober, Lei Liu (United States)
	Title: Assessing Creative Thinking and Other 21st Century Skills Integrated in an AI-Assisted Basic Education Assessment Designed Using the SOLO Framework **Presenter:** Marilyn Balagtas, Danda Crimelda Buhain-Garcia, Teresita Rungduin, Darwin Rungduin, Marla Papango, Paulo Formalejo, Alberto Flores Jr., Edwin Barba Jr., Romeo Porlarez, Mary Jane Santos (Philippines)
	Title: Developing Conceptual Frameworks for Higher Order Skills: Laying the Foundation for Research, Measurement, and Training Applications **Presenter:** Kevin Williams, Guangming Ling (United States)
	Title: Exploring the Potential for AI to Support Assessment in Competency-Based Education: Insights From Existing Innovative K–12 Programs **Presenter:** Teresa Ober, Lei Liu, David Nitkin, Lydia Liu (United States)
	Title: Identifying and Measuring the 21st Century Skills of Senior-Secondary-School-Three Students and Public Examination Candidates in Nigeria **Presenter:** Akinyele O. Ariyo (United States)

CONFERENCE PROGRAM

DAY 1 (CONTINUED)

Monday, September 23, 2024

Navigating Mode-of-Assessment Transitions **Chair:** Lorena Garelli	**Title:** Accommodating to Test Takers' Needs: A Small Step Towards a Hybrid Model of Testing **Presenter:** Konul Hajiyeva (Azerbaijan)
	Title: Repositioning Examination Mode Through a Virtual Platform With the Application of Artificial Intelligence in the National Open University of Nigeria: An Expository Study **Presenter:** Olugbenga Ojo (Nigeria)
	Title: The Accelerating Pace of Change: Transitioning the Malaysian University English Test From Paper-Based to AI-Enhanced Computer-Based Testing **Presenter:** Shafiza Binti Mohamed (Malaysia); Paul Edelblut (United States); Adnan Bin Husin, Badrul Hisham Abdullah (Malaysia)
1:30 pm - 2:30 pm	**Lunch**
2:30 pm - 4:00 pm	**Simultaneous Session 2**
Automated Scoring and Feedback **Chair:** Sarah Howie	**Title:** A Comparative Analysis of Human and Automated Scoring in the 2023 CSEC Mathematics Examination: A Glimpse Into the Future of AI in Educational Assessment **Presenter:** Brendalee Cato (Barbados)
	Title: Augmenting AI Scoring With GPT-Generated Responses **Presenter:** Mo Zhang, Akshay Badola, Matt Johnson (United States)
	Title: Automated Text Scoring in the Age of Generative AI for the GPU-Poor **Presenter:** Christopher Ormerod, Alex Kwako (United States)
	Title: Evaluating Bias in AI Writing Feedback Labels Across Student Groups **Presenter:** Amy Burkhardt, Susan Lottridge (United States)
	Title: Using AI-Assisted Auto-Marking With a Range of Item Types—A Proof of Concept **Presenter:** Sanjay Mistry, Jesse Dvorchak (United Kingdom)
Topics in Group-Score Survey Assessments **Chair:** Michael Chilala	**Title:** Evaluating Item-by-Language Interactions in Multilingual Assessments: Insights from India's National Achievement Survey **Presenter:** Indrani Bhaduri, Mariya Khatoon (India); Jonas Bertling (United States)
	Title: Machine Learning Imputation Methods for Missing Data in Survey Assessments **Presenter:** Usama Ali, Peter van Rijn (United States)

CONFERENCE PROGRAM

DAY 1 (CONTINUED)

Monday, September 23, 2024

	Title: Maintaining Score Comparability Across Changes to the Measurement Conditions Conditions in Large-Scale Assessments **Presenter:** Paul Jewsbury, Daniel McCaffrey (United States)
4:00 pm - 4:30 pm	**Break**
4:30 pm - 6:00 pm	**Simultaneous Session 3**
Improving Assessment Quality Through Gathering Feedback **Chair:** Marilyn Balagtas	**Title:** Effect of Mother Tongue in Language Learning: Comparison in Performance Between Students of Same Mother Tongue with Those of Others, to Understand and Gain Insights for Achieving Language Equity **Presenter:** Dinesh Saklani, Indrani Bhaduri, Bhaswati De (India); Neeraj Venkataraman Murali, Jonas Bertling (United States)
	Title: Ethical Principles in the Use of Artificial Intelligence in the Assessment of Students of Technical Colleges in Nigeria **Presenter:** Abimbola Olaniregun, Ifeoma Isiguo-Abanihe, Evelyn Egonmwan (Nigeria)
	Title: Supporting Multilingual Learners Through Personalized Assessment: Teacher Insights **Presenter:** Michelle Kim, Abigail Lopuch, Lin Gu, Alexis Lopez, Lorraine Sova (United States)
Developing and Evaluating Items and Tasks Using AI **Chair:** Jesse Dvorchack	**Title:** Generative AI for Item Analysis in High-Stakes Examinations: An Exploratory Study **Presenter:** Matsie Agnes Mohale (South Africa)
	Title: LLM-Assisted Passage Generation for Reading and Science Items **Presenter:** Bhashithe Abeysinghe, Ruhan Circi, Emmanuel Sikali (United States)
	Title: Practices for Designing STEM Performance Assessments: The Weather Task **Presenter:** Dante Cisterna, Jessica Andrews-Todd, Aurora Graf, Yi Song, Jeremy Lee, James Rice (United States)
	Title: Test Specifications of Items Assessing English Language Learners' Reading Ability at the Secondary Education Level in Azerbaijan **Presenter:** Ilaha Nabizada (Azerbaijan)
	Title: Using LLMs and Generative AI to Create Culturally Responsive Assessment Items **Presenter:** Sandip Sinharay, Adhwita Gopi Selvan (United States)

CONFERENCE PROGRAM

DAY 2

Tuesday, September 24

9:30 am - 10:00 am **Chair:** Mafu Rakometsi	**Keynote: Artificial Intelligence, Equity, and Educational Measurement** Odis Johnson, Jr., Johns Hopkins University and ETS
10:00 am - 11:30 am	**Plenary Session**
Chair: Naveed Yousuf, Aga Khan University Examination Board, Pakistan	**Update on the IAEA Standards.** *Michael Chilala, Examinations Council of Zambia, Zambia; Elmir Shirinov, The State Examination Center, Azerbaijan; Wayne Wesley, Caribbean Examinations Council, Barbados.*
11:30 am - 12:00 pm	**Break**
12:00 pm - 1:30 pm	**Simultaneous Session 1**
Evaluating and Enhancing Validity **Chair:** Vali Huseyn	**Title:** Insights Into Teacher Appraisal and Professional Development: A Case Study From Kazakhstan **Presenter:** Nurym Shora, Venera Mussarova, Saule Vildanova, Baurzhan Yessingeldinov (Kazakhstan)
	Title: Introducing Ask-NAEP and Its Evaluation: A Generative AI Chatbot That Informs Stakeholders About the NAEP Assessment **Presenter:** Magdalen Beiting-Parrish, Paul Bailey, Ting Zhang, Blue Webb, Luke Patterson, Bhashithe Abeysinghe, Emmanuel Sikali (United States)
	Title: Personalizing Assessment **Presenter:** Randy Bennett (United States)
	Title: Unpacking Regional Disparities in Secondary School Achievement: A Quantitative Analysis of the NECO SSCE Performance Across Nigerian States **Presenter:** Innocent Uche Ezenwanne, Dantani Ibrahim Wushishi, Lukman Othman Achile Suleman (Nigeria)
Using AI With Teaching and Learning **Chair:** Nico Dieteren	**Title:** Exploring the Potential of Artificial Intelligence to Generate Feedback to Support Teacher Learning **Presenter:** Jamie Mikeska, Jessica Tierney, Ben Baehr, Tricia Maxwell, Alessia Marigo, Michael Suhan, Beata Beigman-Klebanov (United States)

CONFERENCE PROGRAM

DAY 2 (CONTINUED)

Tuesday, September 24

	Title: Prompt Engineering and International Teacher Education: A Digital Literacy Treatise Using Google Gemini **Presenter:** Raona Williams (United Arab Emirates)
	Title: Teachers' Awareness, Access to, and Utilization of Artificial Intelligence and Other Technological Skills in Different Types of Schools in Nigeria **Presenter:** Catherine Ifeyinwa Omeonu, Ifeoma Isiugo-Abanihe, Philomena Iro-Aghedo (Nigeria)
	Title: Teaching Mathematics With the Assistance of an AI Chatbot to Enhance Mathematical Thinking Skills for High School Students **Presenter:** Bakyt Alzhanova (Kazakhstan)
1:30 pm - 2:30 pm	**Lunch**
2:30 pm - 4:00 pm	**Simultaneous Session 2**
Assessment of Social-Emotional and Problem-Solving Skills **Chair:** Elmir Shirinov	**Title:** Bridging Innovation and Assessment: AI-Enhanced Collaborative Problem Solving **Presenter:** Ashlin Pillay (South Africa)
	Title: Enhancing an SEL Curriculum for Middle-Grade Students With Collaborative and Responsive Technology **Presenter:** Emily Kerzabi, Jessica Andrews-Todd, Jiangang Hao, Patrick Kyllonen (United States)
	Title: Scaling Up the Evaluation of Collaborative Problem Solving: Promises and Challenges of Annotating Chat Data With ChatGPT **Presenter:** Jiangang Hao, Wenju Cui, Patrick Kyllonen, Emily Kerzabi, Lei Liu (United States)
	Title: The Impact of Test Anxiety on Cognitive Functioning and Academic Performance of Senior High School Students: An Evaluation of Coping Strategies and Interventions **Presenter:** Rosemond Wilson, Boateng Owusu-Ansah (Ghana)
Employing AI to Improve Test Security and Equity **Chair:** Mafu Rakometsi	**Title:** Automated Detection of Suspected Collusion in Examination Scripts Using Statistical Analysis of Score Distribution **Presenter:** Boateng Owusu-Ansah, Rosemond Wilson (Ghana)
	Title: Creating Equitable Access to Exams for Learners With English as an Additional Language: Will AI Help or Hinder? **Presenter:** Katy Finch (United Kingdom)

CONFERENCE PROGRAM

DAY 2 (CONTINUED)

Tuesday, September 24

	Title: Investigating the Bias in Detecting ChatGPT-Generated Essays in a Writing Assessment **Presenter:** Yang Jiang, Jiangang Hao, Michael Fauss, Chen Li (United States)
4:00 pm - 4:30 pm	**Break**
4:30 pm - 6:00 pm	**Simultaneous Session 3**
Large-Scale Assessment Policies and Uses **Chair:** Jim Crawford	**Title:** Converting Negative Washback of High-Stakes Assessment into Positive Washback: A Case Study of a National Private Board in Pakistan **Presenter:** Munira Muhammed Rangwala, Munira Amirali (Pakistan)
	Title: Fostering Learning Through Assessment: Aga Khan University Examination Board Case Study on Supporting Teachers and Students in Pakistan **Presenter:** Naveed Yousuf, Munira Muhammad Rangwala (Pakistan)
Stakeholder Involvement in Designing and Evaluating Assessments **Chair:** Wayne Wesley	**Title:** Determining Priority Teaching Competencies for Professional Development: A Rank Ordering Task Approach **Presenter:** Aakanksha Bhatia, Heather Howell, Eowyn P O'Dwyer, Marisol Kevelson, Dante Cisterna, Jamie Mikeska (United States)
	Title: Stakeholder Involvement in Designing Assessments for the School Leaving Qualification in Eswatini **Presenter:** Sifiso Hlandze (Swaziland)
	Title: The Impact of Stakeholder Feedback on Teacher Assessment Methods **Presenter:** Emmanuel Sakyi-Yeboah (Ghana)
	Title: The Journey from Paper to Digital: Multi-Level Stakeholder Involvement in Digitizing an Early Math Screener Through Human-Centered Design **Presenter:** Ebrahim Talaee (Canada)
	Title: Towards Innovative Quality Assurance of the Integrated Summative Assessment and Practical Assessment Tasks for Post-School Qualifications **Presenter:** Mary-Antoinette Dliwayo (South Africa)
7:30 pm - 11:00 pm	**Gala Dinner**

CONFERENCE PROGRAM

DAY 3

Wednesday, September 25

9:30 am - 10:00 am	**Keynote: Validity Issues in the Use of AI in Assessment** Michael Kane, ETS (Retired)
Chair: Lorena Garelli, Karen Barton	**Keynote: Will AI Help or Hinder the Development of Classroom Formative Assessment?** Dylan Wiliam, UCL Institute of Education
10:30 am - 11:30 am	**Invited Symposium**
Chair: Mary Pitoniak	**AI-Powered Innovations in the U.S. National Association of Educational Progress** Ikkyu Choi (ETS; United States), Edward W. Wolfe (Pearson, United States), Hongwen Guo (ETS, United States), Burcu Arslan (ETS Global; Germany), Ruhan Circi (American Institutes for Research, United States)
11:30 am - 12:00 pm	**Break**
12:00 pm - 1:30 pm	**IAEA Annual General Meeting** Mary Pitoniak, IAEA President
1:30 pm - 2:30 pm	**Lunch**
2:30 pm - 4:00 pm	**Paper Session**
Issues in the Use of AI in Assessment **Chair:** Elmir Shirinov	**Title:** Awareness, Utilization, and Challenges of Artificial Intelligence in Assessment of Students in Technical Colleges in Nigeria **Presenter:** Ifeoma Isiugo-Abanihe, Irene Iluobe, Abimbola Olaniregun (Nigeria) **Title:** Empowering Assessment Data Utilisation: Exploring AI Advancements and User Capacity **Presenter:** Anil Kanjee (South Africa) **Title:** Policy Implication of Utilisation of Authentic Assessment and Artificial Intelligence by Distance Education Lecturers in Nigeria **Presenter:** Felix Olakulehin (Nigeria) **Title:** Potentials for the Adoption of AI in Large-Scale Assessment Processes **Presenter:** Adebayo Fanimokun, Hiradi Vincent (Nigeria) **Title:** The Education Policy Landscape for the Use of AI in International High-Stakes Assessments and the Quality Assurance Thereof **Presenter:** Sarah Howie, Mia Andersen, Brent Abrahams (South Africa)
4:00 pm - 5:00 pm	**Closing Ceremony**