

PROGRAM

June 24, 2022 (Friday) * https://time.is/Hong_Kong	
09:20 – 09:30	Check-in to Zoom Meeting
09:30 – 10:00	<p style="text-align: center;">Session 1A: Metaverse Session Chair: Chun-Hung Li, Autoba Limited</p> <p>012 A Virtual Environment for Learning English with Metaverse and Natural Language Processing Wing-Kwong Wong, Chia-Ching Wu and Yu-Fen Yang</p> <p>011 Deploying Operational Companion-Based Learning Activities in the Metaverse: A Realistic-Enough Approach Emmanuel G. Blanchard, Jeffrey Wiseman and Susanne P. Lajoie</p>
09:30 – 10:00	<p style="text-align: center;">Session 1B: Technology-enhanced Language Learning (TELL) Session Chair: Song Yanjie, The Education University of Hong Kong</p> <p>008 Oral Practice Language Learning by Speech Synthesis and Pronunciation Assessment Hsiang Jen Chung</p> <p>024 The Analysis of Multimodal Communication in the Metaverse and Its Implications in Language Education Wen-Chu Hu</p>
10:00 – 10:15	Break
10:15 – 11:15	<p style="text-align: center;">Session 2A: Artificial Intelligence (AI) Session Chair: Jeff Chak Fu Wong, The Chinese University of Hong Kong</p> <p>014 Building Up an Online Training Platform for Enhancing Communication and Presentation Skills of Undergraduate Students by Using AI: Design, Challenges, And Solutions Eric King-Man Chong and Roland Leung</p> <p>020 Development and Preliminary Research of Artificial Intelligence Learning System Using Quadcopter as Learning Scaffold Li Pin-Yen and Chu Chih-Ming</p> <p>025 Visualized Environment to Build Chatbot for Learning and Training Maiga Chang and Scott McQuoid</p>

	<p>037 New ways in information retrieval for Children: voice and image recognition with human-computer interaction Yanyan Pan and Yingyi Zheng</p>
10:15 – 11:15	<p>Session 2B: Language Analytics and Knowledge (LAK) Session Chair: Jeremy Tzi-Dong Ng The University of Hong Kong</p> <p>029 An Analysis of Learner Traversals and Observation Behaviors in Minecraft Jonathan Di. Casano and Maria Mercedes T. Rodrigo</p> <p>034 An Exploratory Analysis of Learner Traversals in Minecraft Worlds Maricel A. Esclamado, Maria Mercedes T. Rodrigo and Jenilyn A. Casano</p> <p>047 Analytics in Sports Using Social Network Analysis Tools and Linear Discriminant Analysis Jeff Chak Fu Wong and Tony Chun Yin Yip</p>
11:15 – 11:30	Break
11:30 – 12:30	<p>Opening Ceremony and Keynote</p> <p>Education Today and Tomorrow: Exploring the Metaverse with AWS Chair: Siu-Cheung Kong, The Education University of Hong Kong Speaker: Chris Wang, AWS</p>
12:30 – 14:00	Lunch Break
14:00 – 15:00	<p>Session 3A: Metaverse Session Chair: Wen-Chu Hu, Ming Chuan University</p> <p>010 Math Teachers' Digital Instructional Resources Using Metaverse Technology: A New Trend Guoqiang Dang and Hongke Feng</p> <p>017 What is Metaverse? A Scoping Review Davy Tsz Kit Ng</p> <p>041 Learning and Teaching in Higher Education in the Era of Metaverse for Future-Readiness of Learners: Research Issues and Policy Implications Siu-Cheung Kong</p>

	<p>044 The Metaverse in Education – A Proposed Case Study in Primary Schools on Sustainable Development Ecology Kam Yuen Law and Sha Li Shirley Duthie Chuang</p>
14:00 – 15:00	<p>Session 3B: Augmented Reality/ Virtual Reality (AR/VR) Session Chair: Ka-Shing Chui, Fukien Secondary School Affiliated School, Hong Kong</p> <p>003 Using Virtual Reality in teaching Crisis Management Course Tai Ming Wut and Mei-Lan Peggy Ng</p> <p>023 Pedagogical Conversion of Tangible Augmented Reality Sandbox into mobile Augmented Reality Sandbox App for Learning Geography Aaron Liu and Percy Kwok</p> <p>031 Exploring the Outcomes of Learning Analytic Supported VR Content Creation in Cultural Heritage Education Jeremy Tzi-Dong Ng, Zuo Wang, Ruilun Liu and Xiao Hu</p> <p>038 Augmented Reality Books and Smart Glasses: A Case Study on In-Service Teachers' Views Georgia Kazakou and George Koutromanos</p>
15:00 – 15:15	Break
15:15 – 16:30	<p>Session 4A: Companion / Agent Session Chair: George Koutromanos, National and Kapodistrian University of Athens, Greece</p> <p>035 Virtual and Robotic Learning Companions: Some Research Issues Chih-Yueh Chou, Zhi-Hong Chen, Chang-Yen Liao and Tak-Wai Chan</p> <p>036 Virtual Mentor Agents as Companions in Higher Education Ralf Klamma, Benedikt Hensen, Alexander Tobias Neumann and Anika Rieth</p> <p>042 Metaverse Learning Agents for Early Childhood e-Learning Chun-Hung Li</p> <p>048 Developing an avatar generation system for the metaverse in education Yanjie Song, Philip Leung Ho Yu, John Chi Kin Lee, Kaiyi Wu and Jiaxin Galaxy Cao</p>

<p>15:15 – 16:30</p>	<p>Session 4B: Platform Session Chair: Percy Kwok, The Education University of Hong Kong</p>
	<p>033 Impact of immersive virtual environments on primary mathematics learning Chui Ka Shing</p>
	<p>039 Teaching the creation and distribution of digital artworks within the Metaverse during the pandemic Dimitrios Charitos, Penny Papageorgopoulou and Caterina Antonopoulou</p>
	<p>040 Design and Implementation of a Location-based and Collaborative Real-time Multiplayer Application Framework for Virtual Teaching and Learning Tyrone Tai-On Kwok, Yip-Chun Au Yeung, Ziv Ko Hong Tai, Edward Tak Shing Chow, Ka-Shun Hung, Wincy S. C. Chan and Maggie Mee Kie Chan</p>
	<p>043 Helping freshmen students understand mathematical inequalities using an online-based learning platform Jeff Chak-Fu Wong and Po-Chai Wong</p>
<p>16:30 – 16:45</p>	<p>Closing Ceremony and 2nd MetaACES Announcement</p>

PRESENTATION GUIDELINES

- All presentations will be conducted live via Gather Town.
- All presentation date/time is in Hong Kong time (GMT+8). Please refer to https://time.is/Hong_Kong or click [here](#) for finding the time difference that your local time may have.
- Presentation time will be 10 minutes plus 5 minutes for questions, 15 minutes in total.