MetaACES 2023 Programme at a Glance

14 – 16 June, 2023 (Hybrid)
Hong Kong Time (GMT+8)

Physical Venue: Creative Arts Room, C-1/F-01F, MMW Library, EdUHK

Virtual Venue: Zoom

Date/Time	14 June 2023 (Wed)	15 June 2023 (Thu)	16 June 2023 (Fri)
9:00 – 9:30	Registration (Onsite / Zoom)	Registration (Onsite / Zoom)	Registration (Onsite / Zoom)
9:30 – 10:30	**Opening Ceremony** **Keynote 1 by Prof Chan Tak-Wai**	**Keynote 2 by Prof Chris Dede**	Paper Presentation
10:30 – 12:00	10:30 – 12:00 **Panel 1: What are the impacts of Seamless IDC theory and practice towards future learning in Asia and beyond?** **Chaired by Prof Looi Chee-Kit and Prof Kong Siu-Cheung**	10:30 – 12:00 **Panel 2: Artificial companions of 2040: Imagination and conjectures triggered by the current ChatGPT and their roles in the Seamless AI World** **Chaired by Prof Chan Tak-Wai**	10:30 – 11:30 **Symposium Chaired by Prof Maiga Chang** 11:30 – 12:00 **Closing Ceremony and Best Paper Award Presentation**
12:00 – 12:45	Paper Presentation	Paper Presentation	
12:45 – 2:00	Lunch Break	Lunch Break	
2:00 – 3:30	Paper Presentation	Paper Presentation	
3:15 – 3:45	Coffee/Tea Break	Coffee/Tea Break	
3:45 – 4:45	Paper Presentation	Paper Presentation	

*Coffee/Tea Break at STEM Innovation Hub (C-LP-06)

14 June 2023: Dim Sum lunch at Chinese Restaurant on campus

15 June 2023: Lunch set at Western Restaurant on campus

Presentation Guidelines

- MetaACES 2023 is hybrid, which means that on-site and online participants will be assigned to a physical room at the conference venue. The video conferencing platform for online presentations and participation is Zoom. The Zoom link will be sent to you via email on 12 June 2023 (Monday).

- 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:

  Full paper (8 to 10 pages): for research that has evaluation with data collection, analysis, findings and discussion, **30 minutes including Q&A**

  Work-in-Progress (5 to 6 pages): for research about systematic literature review, meta-analysis, design and implementation, application/tool/AR/VR/game, survey and its results, etc., **20 minutes including Q&A**

  Extended Summary (2 to 3 pages): for authors who have complete research but want to submit the details to journals to talk about main ideas, deliverables, and key results, **15 minutes including Q&A**

  Extended Abstract (2 to 3 pages): for research on its early stage talking about conceptual idea, thoughts and concerns for discussions, challenges/difficulties, framework, concepts, plan, etc.,**15 minutes including Q&A**

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Zoom Guidelines

MetaACES 2023 is a hybrid event. For installing and using Zoom, please refer to the below Zoom user guides.

- Zoom User Guide in English
- Zoom 中文使用指南

Detail Programme

14 June, 2023 (Wednesday) * https://time.is/Hong_Kong	
09:00 – 09:30	**Registration　（Onsite / Zoom）**
09:30 – 10:30	**Opening Ceremony** **and** **Keynote** **Invitation to Establish Seamless Interest-Driven Creator Theory — and its possible roles in achieving the Global 'Harwell' Goal in the Seamless AI World** **Prof Chan Tak-Wai, National Central University, Taiwan** Chair: Prof Maiga Chang, Athabasca University, Canada
10:30 – 12:00	**Panel** **What are the impacts of Seamless IDC theory & practice towards future learning in Asia and beyond?** Chairs: Prof Looi Chee Kit, EdUHK, Hong Kong and Prof Kong Siu-Cheung, EdUHK, Hong Kong
12:00 – 12:50	**Session A: Educational Practice and Assessment** Session Chair: Yanjie Song, EdUHK, Hong Kong F026 (30 mins) Investigating Students' Epistemic Beliefs in Augmented Reality-based Inquiry Learning Environment 　　Yun Wen, Chun Lai, Sujin He, Chee-Kit Looi and Longkai Wu W005 (20 mins) Metaverse Literacy in Primary to 12th-Grade and Higher Education 　　Siu-Cheung Kong and Wai Ying Kwok
12:50 – 14:00	**Lunch Break**
14:00 – 15:15	**Session B: Technology Design** Session Chair: Yun Wen, NIE, NTU, Singapore W012 (20 mins) A Framework for Student Engagement Level Prediction: A User Perspective 　　Yan Liu, Manas Gupta and Cheryl Sze Yin Wong

	W014 (20 mins) Development of An Avatar Expression Remix System to Identify Avatars' Facial Expressions for Authentic Social Interactions in the Metaverse Yanjie Song, Jiaxin Cao, Kaiyi Wu and Lei Tao A018 (15 mins) Tapping into Informal Learning Spaces Using Metaverse and Seamless Collaborative Gamified Learning Gordana Borotić, Bartol Boras, Ivica Botički, Chee Kit Looi and Tomislav Jagušt
15:15 – 15:45	**Coffee/Tea Break**
15:45 – 16:45	**Session C: Educational Practice and Assessment** Session Chair: Jeff Chak Fu Wong, CUHK, Hong Kong W010 (20 mins) Foster Dialogue between Students When Solving Calculus Problems in the Metaverse Jeff Chak Fu Wong and Mik Kei Kung A007 (15 mins) Research Issues for Minority Students by AI and Metaverse-Empowered in Inclusive Education Iza Guspian and Stephen J. H. Yang

15 June, 2023 (Thursday) * https://time.is/Hong_Kong	
09:00 – 09:30	**Registration** （Onsite / Zoom）
09:30 – 10:30	**Keynote** **If the Metaverse is the Answer, What is the Question?** **Prof Christopher Dede, Harvard University** Chair: Prof Kong Siu Cheng, EdUHK, Hong Kong
10:30 – 12:00	**Panel** **Artificial companions of 2040: Imagination and conjectures triggered by the current ChatGPT and other future technologies** Chair: Prof Chan Tak-Wai, National Central University, Taiwan Panelists: TBC
12:00 – 12:45	**Session D: Educational Practice and Assessment** **Language: Chinese** Session Chair: Sheng-Yi Wu, Pingtung University, Taiwan S017 (15 mins) A Case Study on User Satisfaction in the Development of VR Teaching Materials Related to Sound Units 聲音單元 VR 教材開發之使用者滿意度個案研究 　　　　　　　Cheng-Hung Wang, Sheng-Yi Wu and Chih-Yi Lin W027 (20 mins) Taking the Virtual Reality Technology Development Context Game to Reproduce Local Cultural Guidance Textbooks—Take Elementary Education as an Example 以虛擬實境技術發展情境遊戲重現地方文化導學教材—以國小教育為例 　　Jia-Yu Lin, Cheng-Hung Wang, Chia-Chen Lin, Song-Wei Huang and Hsuan-Yin Fang
12:45 – 14:00	**Lunch Break**

14:00 – 15:15	**Session E: Educational Practice and Assessment** Session Chair: Daniel Jiandong Shen, Soqqle, Singapore F003 (30 mins) Exploring the Impact of Pedagogy and Group Dynamics in Metaverse Learning Paulina Pui Yun Wong, Gary Wai Chung Wong, Piyasuda Pangsapa, Umawathy Techanamurthy, Wan Syukriah Wan Mohamad, Shin Yi Chew and Daniel Jiandong Shen **Session F: Educational Practice and Assessment** **Language: Chinese** Session Chair: Kam-Yuen Law, The Education of University Hong Kong Jockey Club Primary School, Hong Kong A013 (15 mins) The Possibilities of Inquiry-based Learning — Integrating the Educational Metaverse Discover2se and Field Trips to Create a Sustainable Marine Ecological System 探索啟發式學習的無限可能：結合教育元宇宙與實地考察的互動，共創可持續發展海洋生態未來 Kam Yuen Law and Wai Han Cheuk W028 (20 mins) A Social Network Analysis of Current State of Applying Metaverse in Educational Evaluation 元宇宙在教育评价中的应用现状社会网络分析 何家锋, 王正鑫, 程浩, 吴龙凯
15:15 – 15:45	**Coffee/Tea Break**
15:45 – 16:45	**Session G: Technology Design** Session Chair: Daner Sun, EdUHK, Hong Kong A024 (15 mins) Design and Develop a Learning Environment with Dynamic Scaffoldings for Primary Students' Mathematical Problem Solving Daner Sun, Lan Yang and Fenglin Jia A020 (15 mins) Empathic Smart Learning Agent Chun Hung Li

June 16, 2023 (Friday) * https://time.is/Hong_Kong	
9:30 – 10:30	**Session H: Technology Design and Educational Practice and Assessment** Session Chair: Maiga Chang, Athabasca University, Canada W022 (20 mins) A General Machine Learning-Based Framework for Predicting Students' Performance Given in Multi-Class Label Chenxi Dong and Yuwen Zhang W025 (20 mins) Chatbot and Bridge of Multiplayer Educational Game World and Summary Generation Service Vinayak Sharma and Maiga Chang W016 (20 mins) Virtual Mentor Agents as Companions in Higher Education Marco Yamba-Yugsi, Ruth Contreras-Espinosa, Jose Luis Eguia Gomez and Giancarlo De Agostini
10:30 – 11:30	**Symposium** **Generative Artificial Intelligence Tools and School Education: Impact of ChatGPT and the Likes** **人工智能生成工具對學校教育的影響：從 ChatGPT 說起** Chair: Prof Maiga Chang, Athabasca University, Canada Speakers: Prof Kong Siu-Cheung, EdUHK Mr Ha Chi-Hung, True Light Middle School of Hong Kong Mr Chu Tsz-wing, St. Hilary's Primary School
11:30 – 12:00	**Closing Ceremony and Best Paper Award Presentation** **Announcement of MetaACES 2024**