

CITE Research Symposium 2025
"Touching Hearts and Inspiring Minds with Emerging Digital Technologies"
2 May 2025 (Friday) – Day 1
Rayson Huang Theatre & Runme Shaw Building, The University of Hong Kong

Time	RHT	RMS 101	RMS 104	RMS 202	RMS 203	RMS 204	RMS 205	RMS 301
09:30 - 10:00	Registration Venue: Foyer, Rayson Huang Theatre, The University of Hong Kong							
10:00 - 10:50	Keynote Session (1) Title: Human-Machine Symbiosis: Human Digital Twins for AI-Driven Metacognition in Education by Professor Roger Azevedo, School of Modeling Simulation and Training, University of Central Florida Facilitator: Professor Lukas Liu, Assistant Professor, Faculty of Education, The University of Hong Kong Venue: Rayson Huang Theatre							
11:00 - 12:00	11:00 - 12:00 Student Panel Discussion Title: Ethics, Equity, and Education: Critical Reflections on Generative AI Panellist: 1. Ms. Wenxin ZHOU, PhD student, HKU 2. Ms. Louisa TSI, PhD student, HKU 3. Ms. Linnmeng LU, PhD student, ECNU 4. Ms. Shuyi LU, PhD student, ECNU Chairperson: Mr. Muhammad Ali, PhD student, HKU	11:00 - 12:00 Symposium Transformative Synergy: The Innovative Practice Of Generative Ai And Digital Multimodal Composing In Language Education by Fengrui Ci, Hong Cheng, Rong Yu, Xiaochen Yu and Lianjiang Jiang #18	11:00 - 11:20 Paper Presentation Exploring the value of AI-powered functionalities for young Chinese ESL learners' learning of pronunciation in informal learning contexts by Mengqi Fang #1			11:00 - 11:20 Paper Presentation From Content-focused to Student-centered Learning Design: A Design-Based Exploration of University Teachers' Transition Process by Kun Liu, Nancy Law and Jianhua Zhao #40		
			11:20 - 11:40 Paper Presentation Enhancing Project Writing with GenAI in Higher Education: A Case Study of Two University Science Courses by Man Kin Leung and Marcus Ho-Yin Wong #4			11:20 - 11:40 Paper Presentation Unveiling the Writing Process: Enhancing Secondary School Students' Writing Awareness Through a Learning Design-Guided Formative Assessment Approach by Yishan Dai, Kun Liu, Pengfei Pan and Lingli Zheng #43		
			11:40 - 12:00 Paper Presentation AI-Agent School: Construction and Evaluation of an Educational Simulation Environment Based on LLM-Driven Agents by Haoming Wang, Chengliang Wang and Chunjia Bao #41					
12:00 - 12:30	Poster Session (1) Venue: Foyer, Rayson Huang Theatre Poster: Empowering High School Students' Self-Regulated Learning in Mathematics through Structured Reflection Lists and Generative AI by Yanming Wang #3 Poster: Translating dialects with Natural Language Processing: a case study of Hokkien by Wen Xin Koh, Zi Jia Wong and Kenneth Y T Lim #5 Poster: AI-TPACK in Teacher Professional Development: Policy Reform, Historical Evolution and Connotation Transformation by Qingchun Yu #7 Poster: Applying the Learning Design Studio in Interprofessional Practice Between Speech-Language Pathologists and Classroom Teachers by Eddy C. H. Wong and Jeremy Tzi Dong Ng #14 Poster: EFL University Students' Emotions and Cognitive Loads in Chatbot-Supported Versus Peer-Supported Reading Activities: A Comparative Study by Yuanke Li and Xiaotian Guan #36 Poster: Becoming Learning Designers: Expert Guidance and AI Collaboration in a Five-Iteration Case Study of K-12 STEM Curriculum Redesign by Yong Liu, Kun Liu, Pengfei Pan, Jun Chen and Guilin Luo #37 Poster: Creating Intelligent Learning Environments for Equitable Access and Digital Wellbeing in Math Education by Wenqi Liu #38 Poster: VR Creation Experience in Environmental Education for Primary School Students: A Preliminary Exploration by Ka Wai Lau and Xiao Hu #44							

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12:30 - 14:00	Lunch							
14:00 - 14:30	Opening Ceremony Prof. Gong Peng Vice-President and Pro-Vice-Chancellor (Academic Development) The University of Hong Kong Venue: Rayson Huang Theatre							
14:30 - 15:20	Keynote Session (2) Title: Human-AI collaboration in Education: the Hybrid Future by Professor Inge Molenaar, Radboud University & National Education Lab AI Facilitator: Professor Shihui Feng, Assistant Professor, Faculty of Education, The University of Hong Kong Venue: Rayson Huang Theatre							
15:20 - 15:50	Tea Break & Poster Session (2) Venue: Foyer, Rayson Huang Theatre							
	Poster: Empowering High School Students' Self-Regulated Learning in Mathematics through Structured Reflection Lists and Generative AI by Yanming Wang #3							
	Poster: Translating dialects with Natural Language Processing: a case study of Hokkien by Wen Xin Koh, Zi Jia Wong and Kenneth Y T Lim #5							
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15:50 - 16:50		15:50 - 16:50 Workshop Technology-Supported Learning Design Process with Design-Aware Learning Analytics by Hongfeng Liu, Wai Hung Lam, Jiewen Feng and Pakon Ko #33	15:50 - 16:50 Workshop Promoting pedagogical innovation in STEAM education at secondary and primary schools through external and internal networks by Shihui Feng, Jiaqi Xu and Siyou Wu #19	15:50 - 16:50 Workshop Enhancing AI Literacy in Higher Education: Library-Led Training and Resources for Student Empowerment by Alice Chan, Cindy Xinyi Liang and Rebecca Tam #12	15:50 - 16:50 Workshop Navigating Information Retrieval in the Age of AI: Challenges, Strategies, and Practical Insights by Muhammad Ali and Gary K.W. Wong #29	15:50 - 16:10 Paper Presentation The Impact of ChatGPT on Problem-Based Learning in Medical Education: A Comparative Study on an Anaphylaxis Tutorial by Ching Hei So, Betty Yee Man Au-Yeung, Chris Sheung Chit Ng, Derrick H M Chan, Dickson Wing San Yiu, Hoi Chak Ng, Tsi Lok Ho, Zak Song, Shilpa Purdal, Kendrick Shih and Philip H Li #6	15:50 - 16:10 Paper Presentation The Impact of DeepSeek on High School Students' Creativity: An Experimental Study by Yue Wang #10	15:50 - 16:10 Paper Presentation The Intelligent Evolution of Programming Education: Action Research-Driven Optimization of Learning Environments and Ecological Innovation by Xiaojiao Chen and Chengliang Wang #21
						16:10 - 16:30 Paper Presentation Human-AI Collaboration and Ethical Challenges in Generative AI: Advancing Learning with Emerging Technologies by Noble Lo and Sumie Lo #8	16:10 - 16:30 Paper Presentation Analysis of Classroom Dialogue Sequence Characteristics in Primary School Science Lessons Under the Framework of Scientific Core Literacy by Xueni Liu, Junwei Chen, Minjie Zhu, Xilin Wu and Sijing Yu #16 【Conducted in Cantonese】	16:10 - 16:30 Paper Presentation How Do Students' Feedback Seeking Experiences with GenAI and Human Sources Impact Their Subsequent Motivation to Seek Feedback? By Huiling Zhou and David Carless #23
						16:30 - 16:50 Paper Presentation Cultivating Collaborative Problem-Solving Skills in the Era of Human-AI Interaction: The Role of ChatGPT by Binghao Tu and Zengyi Yu #9	16:30 - 16:50 Paper Presentation Painting as Composing: An Empirical Study on the Cultivation of Primary School Students' Musical Creativity with Multimodal AI Tools - Classroom Practice Based on Tencent M2UGen by 吴春蕾 #17	16:30 - 16:50 Paper Presentation A Study on the Characteristics of Undergraduates' Learning Grit in Online Collaborative Learning Peer Feedback by Minjie Zhu, Sijie Zhang, Xiaoran Chen, Xinyan Ye, Heting Li and Xilin Wu #24
16:50 - 17:50	16:50 - 17:50 Panel Discussion Fostering Resilient Educational Systems through STEAM Innovation Networks by Shihui Feng, Jiaqi Xu and Siyou Wu #20 Venue: Rayson Huang Theatre							

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CITE Research Symposium 2025
"Touching Hearts and Inspiring Minds with Emerging Digital Technologies"
3 May 2025 (Saturday) – Day 2
Rayson Huang Theatre & Runme Shaw Building, The University of Hong Kong

Time	Rayson Huang Theatre	RMS 101	RMS 104	RMS 202	RMS 203	RMS 204	RMS 205
09:00 - 09:15	Registration Venue: Foyer, Rayson Huang Theatre						
09:15 - 10:15	09:15 - 10:15 Panel Discussion Title: Touching Hearts and Inspiring Minds with Innovative Technologies: The Future of Science Education in Hong Kong Speakers: Professor Gary Wong (Moderator), Centre for Information Technology in Education, Faculty of Education, The University of Hong Kong Professor Nancy Law, Centre for Information Technology in Education, Faculty of Education, The University of Hong Kong Mr. Tse Bun Luen, Science Education Section, Education Bureau Dr. Chan Pik Ying, Lung Kong World Federation School Limited Lau Wong Fat Secondary School Ms. Lai Yuet Wah, The Education University of Hong Kong Jockey Club Primary School Mr. Leung Chun Pong, Lam Tin Methodist Primary School Mr. Tung Sau Chung, China Holiness Church Living Spirit College 【Cantonese】	09:15 - 09:35 Paper Presentation Bridging the Digital Divide: Developing AI Literacy in Low-Achievement Secondary School Students by Muhammed Sezer Kizilates, David Woo, Kai Guo and Deliang Wang #27	09:15 - 09:35 Paper Presentation ChatGPT in English as a Foreign Language Learning: Growing Attention on Writing and Speaking by Xian Chen, Jie Cao and Jionghao Lin #31	09:15 - 09:35 Paper Presentation Exploring The Digital Well-Being Of Senior High School Learners Towards The Development Of A Digital-Balanced Blueprint by Marlita Madera, Ronnie Torres and Analou Lawas-Ong #35			
		09:35 - 09:55 Paper Presentation AI-Supported Teacher Professional Development: A Case Study of Teacher Training and Implementation by Syeda Maria Zainab Gardezi, Hongliang Ma, Xiaofei Li #30	09:35 - 09:55 Paper Presentation How We Learn Language Collaboratively Through Technology: A Systematic Review by Zehao Li and Zeekin Ziqian Zhou #32	09:35 - 09:55 Paper Presentation How Self-Regulated Learning-oriented Instructional Design Impacts on College Students' VR/AR Flow States: A Systematic Review and Meta-Analysis by Yutong Fu, Xian Huang, Qi Pan and Min Lan #39			
		09:55 - 10:15 Paper Presentation Optimizing Directional Stimulus Prompting Through Human Feedback: A Structured Approach to AI-Powered Scaffolding by Muhammad Ali and Gary K.W. Wong #28					
10:15 - 10:30	Break						
10:30 - 11:20	Keynote Session (3) Title: Responsible Innovation in Designing AI for Education: Attending to the “How,” the “for What,” the “for Whom,” and the “with Whom” in a Rapidly Growing Field by Professor William R. Penuel, Institute of Cognitive Science and School of Education, University of Colorado Boulder Facilitator: Professor Nancy Law, Professor, Faculty of Education, The University of Hong Kong Venue: Rayson Huang Theatre (via Zoom)						
11:20 - 11:50	Tea Break & Poster Session (3) Venue: Foyer, Rayson Huang Theatre						
	Poster: Empowering High School Students' Self-Regulated Learning in Mathematics through Structured Reflection Lists and Generative AI by Yanming Wang #3						
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11:50 - 12:50	<p>11:50 - 12:50 Panel Discussion</p> <p>From recent (2022–2025) HKU doctoral learning to Hong Kong university teaching: A panel discussion on emerging technologies</p> <p>by C.Y. Chad Kwong, Jeremy T.D. Ng, S. Tiffany Bai and H.K. Holy Shum #22</p>	<p>11:50 - 12:50 Interactive Session</p> <p>How to Facilitate Self-Directed Learning of Students through STEAM Education? (Primary school)</p> <p>by Ms. Bonnie Sun and In-STEAM project schools 【Cantonese】</p>	<p>11:50 - 12:50 Interactive Session</p> <p>How to Facilitate Self-Directed Learning of Students through STEAM Education? (Secondary school)</p> <p>by Dr. Rachel Ko, Dr. Eddy Lee and In-STEAM project schools 【Cantonese】</p>	<p>11:50 - 12:50 Workshop</p> <p>How to Foster Science Literary and Spirit of Innovation in Response to the New Primary Science Curriculum?</p> <p>by Dr. Mak Chi Keung and Ms. Irene Feng 【Cantonese】</p>	<p>11:50 - 12:50 Interactive Session</p> <p>How to Develop Students’ Artificial Intelligence Literacy through STEAM Education Using Learning Design Patterns?</p> <p>by Dr. Alex Gu, Ms. Yoyo Chan and In-STEAM project schools 【Cantonese】</p>	<p>11:50 - 12:50 Interactive Session</p> <p>How to Develop Students’ Digital Literacy through STEAM Education?</p> <p>by Dr. Cong Liu, Dr. Polly Chik and In-STEAM project schools 【Cantonese】</p>	<p>11:50 - 12:50 Interactive Session</p> <p>How to Develop Students’ Writing Skills across Different Key Learning Areas through Learning Design?</p> <p>by Dr. Jane Mok, Mr. Marvin Liu and CITE project schools 【Cantonese】</p>
12:50 - 14:00	Lunch						
14:00 - 14:50	<p>Keynote Session (4)</p> <p>Title: An International Perspective on Digital Literacy</p> <p>by Mr. Julian Fraillon, International Association for the Evaluation of Educational Achievement (IEA)</p> <p>Facilitator: Professor Gary Wong, Associate Professor, Faculty of Education, The University of Hong Kong</p> <p>Venue: Rayson Huang Theatre</p>						

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