

**EdUHK x HKUST
Joint International Conference on**

AIEdu

AI and Education

20 – 21 August 2025

◆ **Programme Booklet** ◆



**The EdUHK x HKUST Joint
International Conference on AI and Education 2025
(AIEdu2025)**

20 – 21 August 2025

ISBN: 978-988-8636-83-9

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Publisher
Centre for Learning, Teaching and Technology
The Education University of Hong Kong



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Welcoming Messages

Message from the President of EdUHK



Professor LEE Chi Kin John

President

Chair Professor of Curriculum and Instruction

The Education University of Hong Kong

Welcome to the 2nd The Education University of Hong Kong (EdUHK) x The Hong Kong University of Science and Technology (HKUST) Joint International Conference on AI and Education (AIEdu2025).

This year, under the compelling theme “Leveraging AI for Change in Education,” we gather to explore the transformative potential of AI across all levels of learning—from K-12 and higher education to vocational training and adult learning.

EdUHK is committed to leading educational innovation and fostering a forward-looking community that embraces emerging technologies. We recognise that the true potential of AI in education extends beyond its technical implementation. It requires us to evolve our research methodologies, rethink assessment paradigms, and thoughtfully engage with the ethical and societal implications of these emerging tools. Our goal is to harness AI not only to enhance efficiency but also to deepen understanding, foster creativity, and support the well-being of all individuals.

This conference reflects the shared commitment of EdUHK and HKUST to advancing interdisciplinary collaboration and research in educational technologies. As AI continues to evolve at an unprecedented pace, it presents both exciting opportunities and significant challenges. We must take a proactive role in integrating AI into pedagogical practices, curriculum design, assessment strategies, and student support systems—ensuring that technological advancements enhance learning outcomes and promote equity in education.

I am truly honoured that this year we can host a distinguished gathering of experts, educators, researchers, and innovators. We are pleased to welcome three renowned experts as our keynote speakers: Professor ALI Raian from Hamad Bin Khalifa University, Qatar; Professor ZHANG Min from Tsinghua University, China; and Professor KONG Siu Cheung from EdUHK, Hong Kong SAR, China.

I would like to express my heartfelt gratitude to all distinguished guests, keynote speakers, panellists, and participants for their unwavering support. I wish you all fruitful discussions and a successful conference.

Thank you very much.

Message from the Associate Provost (Teaching and Learning) of HKUST



Professor FUNG Chi Hung Jimmy

Associate Provost (Teaching and Learning)

Chair Professor of Department of Mathematics

Chair Professor of Division of Environment and Sustainability

The Hong Kong University of Science and Technology

Dear Participants,

It is my great pleasure to welcome all of you to the 2nd EdUHK x HKUST Joint International Conference on AI and Education (AIEdu2025). This year's theme, "Leveraging AI for Change in Education", highlights a vital and timely topic as artificial intelligence continues to revolutionize the educational landscape.

As educators, researchers, policymakers, and technologists, we have a shared responsibility to explore how AI can be harnessed to enhance learning outcomes, develop innovative pedagogical approaches, and address societal and ethical challenges. This conference serves as a platform for interdisciplinary dialogues and collaboration, bringing together diverse perspectives to shape the future of education in the age of AI.

On behalf of HKUST, I would like to extend my gratitude to our partners at EdUHK and all the contributors who have made this event possible. I hope this conference inspires new ideas, fosters meaningful discussions, and paves the way for impactful advancements in education.

Thank you and welcome!

Message from Vice President (Research and Development) of EdUHK



Professor CHAN Che Hin Chetwyn

Vice President (Research and Development)

Peter T. C. Lee Chair Professor of Psychology

The Education University of Hong Kong

It is my great honour to welcome you all to this important gathering focused on advancing the future of education through innovation and collaboration.

Last summer, we established the University Research Facility of Data Science and Artificial Intelligence (UDSAI). Equipped with advanced high-performance computing facilities, UDSAI aims to harness the power of computers and information technology to address a broad spectrum of research questions, thereby strengthening our capacity for AI research and innovation. We are pleased to announce the launch of EdUHK's first High-Performance Computing (HPC) facility, featuring state-of-the-art Graphics Processing Unit (GPU) servers. Designed to handle multiple tasks simultaneously and process large datasets with remarkable speed, this cutting-edge technology will empower faculties, researchers, and students to conduct intensive data-analytic studies across diverse disciplines.

Over the past year, several joint projects have advanced AI in education. These include integrating AI into self-directed learning, developing LLM-based math tutors for primary students, and enhancing language teachers' professional growth through AI. Other efforts focus on AI-supported assessment and autonomous learning, such as self-assessment research in higher education. Some projects also explore generative AI's impact on youth content creation, improve university collaboration skills via multi-agent simulations, and apply AI in STEM fields like space and marine sciences. Additionally, studies on digital humans and AI-ICT integration aim to create more engaging, student-centred learning environments.

I would also like to extend my heartfelt gratitude to HKUST for their support and contribution in making this event possible. Their commitment underscores the importance of building strong alliances to foster progress and shared success in education. This conference provides a platform to showcase these exciting developments and to inspire future innovations. We warmly welcome all participants and look forward to fostering collaboration, enabling these diverse projects to build upon each other and drive forward educational advancement.

Message from Vice President (Academic) of EdUHK



Professor CHENG May Hung May

Vice President (Academic)

Chair Professor of Teacher Education

The Education University of Hong Kong

Thank you all for joining the 2nd EdUHK x HKUST Joint International Conference on AI and Education 2025 (AIEdu2025).

At The Education University of Hong Kong (EdUHK), we are committed to promoting educational innovation through the implementation of our Education-plus framework, which places a significant emphasis on the integration of Artificial Intelligence (AI) and other emerging technologies within educational contexts. This strategic approach seeks to advance the development of learning and teaching, teacher education, as well as related disciplines by cultivating outstanding, ethically responsible educators and professionals dedicated to lifelong learning. As stated in the EdUHK's Learning and Teaching Plan 2024-2027, we aim to harness the transformative potential of AI to reshape educational practices and enhance learning outcomes, thereby contributing to the advancement of higher education and societal development.

The theme of the conference, “Leveraging AI for Change in Education”, provides a platform for researchers, educators, policymakers, and industrial practitioners to consolidate insights, reflect on lessons learned, and explore pathways for future development. The conference focuses on: (1) Challenges and Opportunities of AI in Higher Education and Vocational Training, (2) AI-Enhanced K-12 Education: Challenges and Potential, (3) Learning Outcomes and AI-Driven Assessments, (4) Innovating Curriculum and Pedagogy through AI, and (5) Societal and Ethical Issues in AI-empowered Education.

We are privileged to have distinguished experts share the latest advancements and perspectives with us, complemented by our renowned keynote speakers representing diverse regions worldwide. I look forward to engaging with your presentations, exchanging ideas and insights, and exploring opportunities for future collaboration.

I would like to extend my heartfelt gratitude to the Organising Committee, led by the Centre for Learning, Teaching and Technology (LTTC) of EdUHK. I am also deeply thankful to our esteemed partners from HKUST, whose dedicated efforts have been instrumental in making AIEdu2025 a success. Additionally, I sincerely appreciate the support of our distinguished guests, colleagues, and students who have contributed to the organisation and vibrancy of this conference.

I hope you find the Conference both fruitful and inspiring. Thank you very much.

Message from Conference Organising Committee Chair and Co-Chair



Professor XU Guandong

Director of Centre for Learning, Teaching and Technology
Director of University Research Facility of Data Science and Artificial Intelligence
Chair Professor of Artificial Intelligence
The Education University of Hong Kong

Dr MCMINN Sean

Director of Centre for Education Innovation
The Hong Kong University of Science and Technology



Welcome to the 2nd EdUHK x HKUST Joint International Conference on AI and Education (AIEdu2025)! The launch of this conference marks an important milestone in our collective effort to harness AI as a transformative force in education. With the strong support of the Senior Management, Faculties, Departments, Graduate School, Academic Support Units, and all participants, the Conference has attracted presenters and attendees from various regions. We would like to extend our sincere gratitude to everyone for their valuable contributions and unwavering support.

As AI's role in society continues to grow, its importance in education becomes increasingly evident. While there are many opportunities to enhance personalised learning, assessment, and curriculum design, we also recognise the challenges and considerations involved. We must continue to explore how AI can be integrated thoughtfully, aligning technological advancements with learners' needs and societal values.

At EdUHK, we have introduced a new curriculum emphasising “Digital Competency,” led by the Centre for Learning, Teaching, and Technology (LTTC). This initiative aims to incorporate AI-related courses into our curriculum, allowing students to build a solid foundation, develop practical skills, and pursue more advanced studies in this field. The pilot has been successfully completed in the last academic year, and the majority of our programmes are scheduled to implement the curriculum commencing in the upcoming academic year. Through this approach, we hope to prepare our students not just to understand emerging technologies but to actively contribute to an innovative, digital-driven future.

We would like to extend our heartfelt appreciation to the unfailing support from the Conference Advisory Committee Chair and Co-Chairs: Professor LEE Chi Kin John, President, Chair Professor of Curriculum and Instruction, EdUHK; Professor CHAN Che Hin Chetwyn, Vice President (Research and Development), Peter T. C. Lee Chair Professor of Psychology, EdUHK; Professor CHENG May Hung May, Vice President (Academic), Chair Professor of Teacher Education, EdUHK; Professor GUO Yike, Provost, Chair Professor, Department of Computer Science and Engineering, HKUST; and Professor FUNG Chi Hung Jimmy, Associate Provost (Teaching & Learning), Chair Professor, Department of Mathematics and Division of Environment & Sustainability, HKUST.

We would also like to express our deepest gratitude to the Conference Organising Committee of AIEdu 2025: Professor CHIU Ming Ming, Chair Professor of Analytics and Diversity, Director of Analytics/Assessment Research Centre, EdUHK; Professor HUI Pan, Chair Professor of Computational Media and Arts (CMA), Chair Professor of Emerging Interdisciplinary Areas, HKUST; and Professor SONG Yanjie, Associate Director of the Centre for Excellence in Learning and Teaching, Professor of Department of Mathematics and Information Technology, EdUHK. Furthermore, a round of applause is deservedly owed to the International Programme Committee Members, who have diligently reviewed over 50 abstracts and full papers submitted for AIEdu 2025. Special thanks also go to our colleagues from the LTTC, EdUHK and members from HKUST, for their tremendous efforts in organising such a smooth and informative conference.

Thank you for your participation in this important academic and professional journey. We wish you all a fruitful experience at AIEdu 2025.

Organisation

Conference Advisory Committee

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Professor LEE Chi Kin John

President

Chair Professor of Curriculum and Instruction
The Education University of Hong Kong

Advisory Committee Co-Chair



Professor CHAN Che Hin Chetwyn

Vice President (Research and Development)
Peter T. C. Lee Chair Professor of Psychology
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Professor CHENG May Hung May

Vice President (Academic)
Chair Professor of Teacher Education
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Advisory Committee Co-Chair



Professor GUO Yike

Provost

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The Hong Kong University of Science and Technology

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Associate Provost (Teaching and Learning)

Chair Professor of Department of Mathematics

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Associate Co-Director of the Academy for Applied
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Professor of Department of Mathematics and
Information Technology
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International Programme Committee Chair



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CHENG Yuen Kiu Jessica, The Education University of Hong Kong

Programme at a Glance

The 2nd EdUHK x HKUST Joint International Conference on AI and Education
Theme: Leveraging AI for Change in Education

Programme at a Glance
Hong Kong Time (GMT+8)

Venue: The Education University of Hong Kong, Tai Po Campus

Date / Time	20 August 2025 (Wednesday)		21 August 2025 (Thursday)	
A.M.	Registration			
	Opening Ceremony		Keynote Speech 2	
	Keynote Speech 1			
	Break			
	Panel 1: AI, Attention, and Learning: Preparing Students for a Fast-Changing World	Paper Presentation Session	The 4 th AIREA AI & Edu Forum (I)	Paper Presentation Session
Noon	Lunch Break			
P.M.	Registration			
	Pitching of AIREA AI in Edu Competition	Paper Presentation Session	Keynote Speech 3	
	Break			
	Pitching of AIREA AI in Edu Competition	Paper Presentation Session	The 4 th AIREA AI & Edu Forum (II)	Paper Presentation Session
	Break		Break	
			Panel 2: The Future of Education Technology: Balancing Innovation and Learner Diversity	
	Award Ceremony of AIREA Competition		Closing Ceremony	
Evening	Networking Dinner*		-	

*Prior registration is required.

Room No.:

Room 1: D2-LP-09	Room 2: D2-LP-08	Room 3: D2-LP-10
Room 4: C-LP-06	Room 5: B4-LP-06	Room 6: D2-LP-03
Room 7: D2-LP-04	Registration Counter: D2-LP	

Presentation Guidelines

Paper Presentation Instruction

1. For **Long Paper presentation**, 15 minutes will be allocated for presentation (including Q&A). Please keep the presentation within the time limit set.
2. For **Short Paper presentation**, 10 minutes will be allocated for presentation (including Q&A). Please keep the presentation within the time limit set.
3. Please strictly follow the assigned schedule for paper presentation. Please check in with your Session Chair before the session in which your presentation begins.
4. Standard computer with Windows XP and MS-Office will be set up and connected to a projector in each session room. You can copy your presentation file (MS-PowerPoint or PDF) to this computer. You can also bring your own computer for presentation.
5. Please set up and test your presentation in the designated room prior to your session.
6. Please note that electricity in Hong Kong is 220V / 50Hz, UK plug. You are advised to bring power converters or adapters for your own laptop and other electronic equipment if necessary.

Poster Presentation Instruction

1. The content should be concise, with data, charts, and text appropriately sized for readability. Text should be no smaller than 1 cm.
2. The poster board size is 120 cm in height and 180 cm in width. Each poster should be a single sheet in B1 size (100 cm high, 70.7 cm wide) or 40-inch poster size (105 cm high, 70 cm wide).
3. Include the title of your paper, your name, and your affiliated institution or organisation on the poster.
4. Bring your poster to the conference venue and display it on the designated board between **20** and **21 August 2025**.
5. Pins for mounting will be provided at the venue.
6. Please note that power outlets and internet connections will not be available at the poster presentation area.

Keynotes

Keynote 1 - Navigating AI and Human Behaviour: Implications for Well-being and Learning

Date: 20 August 2025 (Wednesday)

Time: 10:00-11:00

Venue: Room 1 (D2-LP-09)

Speaker



Professor ALI Raian

Professor of College of Science and Engineering
Hamad Bin Khalifa University

Chair

Professor XU Guandong

Chair Professor of Artificial Intelligence
Director of Centre for Learning, Teaching and Technology
Director of University Research Facility of Data Science
and Artificial Intelligence
The Education University of Hong Kong



Abstract

This talk reviews recent work in Technology and Human Behaviour, with a special focus on advances in AI. Case studies from social media addiction, misinformation, cybersecurity, and online gaming will be presented. The speaker will discuss their latest research on AI's impact on human attitudes and its potential addictive features. The talk integrates psychological theories and models that support the research and help interpret the findings. It also emphasises the importance of cultural sensitivities and cross-cultural comparisons. The session concludes with reflections and open questions on AI use in education and how to equip students with resilience to LLM dependency while maintaining critical thinking.

Biography

Dr. Raian Ali is a Professor and UNESCO Chair in Digital Technologies and Human Behaviour, and a Visiting Professor at Bournemouth University, UK, and the Education University of Hong Kong. He earned his PhD from the University of Trento, Italy, in 2010, and has held academic positions at the University of Limerick, Ireland, and Bournemouth University. His first degree is from Latakia University (formerly Tishreen University), Syria. Raian's research focuses on the intersection of Technology and Human Behaviour, addressing topics such as digital addiction, responsible technology use, and the impact of technology design on human well-being. He serves on the Steering Committee of the Persuasive Technology Society and the Behavioural and Social Computing Conference, and sits on the editorial boards of leading journals including Behaviour and Information Technology, Journal of Responsible Technology, and Human-Centric Artificial Intelligence. He currently leads the \$3.8 million Cluster on Digital Citizenship in Qatar, overseeing six projects, more than 15 national and international partners, and a team of over 50 personnel. Raian also provides consultancy at both national and international levels.

Keynote 2 - Leveraging Artificial Intelligence to Unleash Students' Potential: Insights from a 5-Year Hong Kong Study

Date: 21 August 2025 (Thursday)

Time: 09:30-10:30

Venue: Room 1 (D2-LP-09)

Speaker



Professor KONG Siu Cheung

Research Chair Professor of E-learning and Digital Competency
Director of Artificial Intelligence and Digital Competency Education Centre
The Education University of Hong Kong

Chair

Professor YEUNG Chi Ho Bill

Professor of Department of Science and Environmental Studies
Associate Dean (Quality Assurance & Enhancement) of
Faculty of Liberal Arts and Social Sciences
Dean of Students
The Education University of Hong Kong



Abstract

Over the past five years, we have pioneered the integration of Artificial Intelligence (AI) literacy into K-12 and university education, fostering a future-ready generation. This initiative, supported by the Education University of Hong Kong, donors, and industrial partners, aims to equip students with foundational AI knowledge, skills, and ethical awareness. Through tailored curricula and hands-on projects, students explore AI concepts such as machine learning and understand that AI is a kind of algorithmic intelligence. Our study has demonstrated success in nurturing AI competence and problem-solving skills, positioning Hong Kong as a leader in AI literacy education. In this presentation, we highlight the importance of using AI in education to unleash the potential of students. We address the transformative opportunities AI provides for equipping future generations to create meaningful value by working alongside it. We are developing pedagogies to encourage the classroom use of AI for enhancing independent thinking and metacognitive development.

Biography

Professor KONG Siu Cheung is currently a Research Chair Professor at the Department of Mathematics and Information Technology and Director of the Artificial Intelligence and Digital Competency Education Centre (AIDCEC) at The Education University of Hong Kong. He serves as the Editor-in-Chief of the international journal Research and Practice in Technology Enhanced Learning (RPTEL) and Journal of Computers in Education (JCE). He is on the Stanford Top 2% Scientist in Education list from 2019 to 2024. Professor Kong is leading projects on Artificial Intelligence Literacy for primary, secondary and university students, teachers, parents, and administrative staff in Hong Kong from 2020 to 2027. Currently, he is also leading projects on Artificial Intelligence in K-12 Education. He is the programme leader of the Master of Science in Artificial Intelligence for Executive Professionals [MSc(AIEP)] programme at the Education University of Hong Kong.

Keynote 3 - AI for Education: Exploration and Prospects

Date: 21 August 2025 (Thursday)

Time: 14:00-15:00

Venue: Room 1 (D2-LP-09)

Speaker



Professor ZHANG Min

Professor of Department of Computer Science
and Technology

Tsinghua University

Chair

Professor SONG Yanjie

Professor of Department of Mathematics and Information Technology
Associate Director of the Centre for Excellence in Learning and Teaching
Associate Co-Director of the Academy for Applied Policy Studies and
Education Futures

The Education University of Hong Kong



Abstract

AI has empowered education with LLM technologies. In this talk, I will first talk about the AI-Empowered Learning Assistant and how to move on from MOOC to MAIC (Massive AI-Empowered Course) in Tsinghua University. Practices and studies of designing AI teachers, AI assistants, and AI learning-mates will be shared. I will also show the evaluation with cognition signals on the effectiveness of MAIC. Finally, challenges and Opportunities for AI-Empowered Education will be discussed.

Biography

Dr. Min Zhang is a full professor in the Dept. of Computer Sci. & Tech., Tsinghua University, and the chief director of the AI Lab. She specializes in Web search, recommendation, and user modeling. Prof. Zhang is an ACM distinguished member, a SIGIR Academy fellow. She has been the Editor-in-Chief of ACM Transactions on Information Systems (TOIS) since 2020, and also serves as the General Chair of ACM MM'25, and PC Chairs of SIGIR'26, RecSys'23, CIKM'23, WSDM'17, etc. She won the "Test-of-Time" award at SIGIR'24, WSDM'22 Best Paper award, IBM Global Faculty Award, etc., and has a lot of collaborations with international and domestic industries.

Panel Discussion

Panel Discussion 1 - AI, Attention, and Learning: Preparing Students for a Fast-Changing World

Date: 20 August 2025 (Wednesday)

Time: 11:15-12:30

Venue: Room 1 (D2-LP-09)

Abstract

In an age inundated with information, it is increasingly challenging for individuals—especially students—to focus, discern significance, and understand what truly matters. With AI amplifying this information overload, how can education empower learners to remain grounded, think critically, and make informed decisions? This panel will delve into how AI is transforming our approaches to learning, identifying essential skills for today's students, and examining how educational institutions must evolve. We will consider AI not merely as a tool, but as a transformative force reshaping society, learning paradigms, and perceptions of reality. Our panellists will offer diverse perspectives—from classroom practices to policy implications, ethical considerations, and technology design—aiming to foster discussions on building educational systems that promote deeper thinking, stronger communities, and more confident learners.

Chair



Professor LOOI Chee Kit

Research Chair Professor of Learning Sciences
Associate Dean (Quality Assurance and Enhancement) of Graduate School
The Education University of Hong Kong

Panellists (in the alphabetical order of surname)



Professor JIA Jiyou

Head and Professor of Department of Education Technology
Director of Digitalized Education Research Centre
Peking University



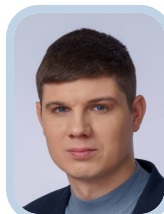
Dr MCMINN Sean

Director of Centre for Education Innovation
The Hong Kong University of Science and Technology



Professor SHEN Jun

Professor of School of Computing and Information Technology
University of Wollongong



Professor TERENCEV Evgenii

Dean of the Institute of Education
National Research University Higher School of Economics

Panel Discussion 2 - The Future of Education Technology: Balancing Innovation and Learner Diversity

Date: 21 August 2025 (Thursday)

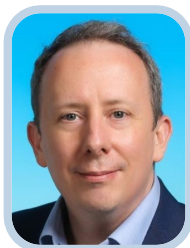
Time: 16:30-17:45

Venue: Room 1 (D2-LP-09)

Abstract

This panel discussion will explore the evolving future of education technology. New technologies are quickly being integrated into various educational settings. The conversation will focus on innovative advancements and solutions in educational AI and data science, which may offer greater potential to personalise learning experiences and promote pedagogical innovations. Panellists will also share their views on how to balance fostering innovation with effectively addressing diverse learning needs, aiming to create an inclusive and equitable future education for global citizens.

Chair



Dr MCMINN Sean

Director of Centre for Education Innovation
The Hong Kong University of Science and Technology

Panellists



Professor XU Guandong

Chair Professor of Artificial Intelligence
Director of Centre for Learning, Teaching
and Technology
Director of University Research Facility of
Data Science & Artificial Intelligence
The Education University of Hong Kong



Professor JIANG Bo

Professor of Shanghai Institute of Artificial
Intelligence for Education
East China Normal University



Dr ZHENG Chanjin

Associate Professor of Shanghai Institute
of Artificial Intelligence for Education
East China Normal University



Dr LEUNG Ka Lok Jac

Lecturer of Division of Integrative Systems
and Design
The Hong Kong University of Science and
Technology



Mr ZHANG Kai

Shanghai Institute of Artificial Intelligence for
Education
East China Normal University

Detailed Programme

Day 1: 20 August 2025 (Wednesday)

Time / Venue	Programme
09:00-09:30	Registration
09:30-10:00 Room 1 (D2-LP-09)	Opening Ceremony
10:00-11:00 Room 1 (D2-LP-09)	Keynote Speech 1 Navigating AI and Human Behaviour: Implications for Well-being and Learning Speaker: Professor ALI Raian Chair: Professor XU Guandong
11:00-11:15	Break
11:15-12:30 Room 1 (D2-LP-09)	Panel 1 - AI, Attention, and Learning: Preparing Students for a Fast-Changing World Chair: Professor LOOI Chee Kit
11:15-12:00 Room 2 (D2-LP-08)	Paper Presentation Session 1 Strand: ETHICS Session Chair: Dr BA Shen L19 - Construction and Validation of Personalized Emotion Support Agent for Adolescent Mental Health Counseling Conversation Peng Shixin, Jiang Kun, Yang Yu, Xu Guandong and Chen Jingying L40 - Illuminating Societal and Ethical Dimensions of AI in Course Evaluation: NLP-Enabled Bibliometric Analysis Da Gong and Yunqi Wang L48 - Deep Self, Digital Wisdom and Pervasive Learning in AI-Centric Futures Marcus T Anthony Q&A
11:15-12:00 Room 3 (D2-LP-10)	Paper Presentation Session 2 Strand: K-12 Session Chair: Dr LAU Chaak Ming L17 - Understanding Teacher Adoption of Integrated GenAI Platforms in Secondary Education: A Pilot Case Study Saanvi Ravi Katyayan, Jac Leung and Alison Chan

	L28 - Cultural Adaptability of Global AI in Education Policies: A Chinese Perspective Tianhang Gao, Simin Cao and Hui Li S43 - ProTeach: LLM Agent framework for Intelligent Tutoring System Ivan Lo, Chun Hung Li and Victor Cheng Q&A
12:30-14:00	Lunch Break
13:30-17:00 Room 4-7	Pitching of AIREA Competition
14:00-15:00 Room 2 (D2-LP-08)	Paper Presentation Session 3 Strand: HEVT Session Chair: Dr BA Shen L3 - Motivation and Engagement in Job Interview Training: A Study of a ChatGPT-facilitated Robot for Youths with Special Education Needs Kuen Fung Sin, Ka Yan Fung, Kwong Chiu Fung, Wai Ho Mow, Hon Shan Celia Tam, Tze Leung Rick Lui, Lan Yang and Yuxing Tao L21 - Transforming Education Through AI Literacy: Insights from Teacher Trainers Asmah Bohari, Anusuya Kaliappan and Su Ling Loh L51 - How Technologies are Changing Skills and Education: Global Perspective and Insights from Russia Evgenii Terentev and Maksim Nikitin S24 - Demystifying LLM Implementation in Higher Education: A Three-Step Actionable Roadmap Chenxi Dong, Chujie Wen and Tianyu Zhang Q&A
14:00-15:00 Room 3 (D2-LP-10)	Paper Presentation Session 4 Strand: K-12 Session Chair: Dr YANG Yin Nicole L9 - Translating Research on “The Animated Chinese History for the Curious Minds” for Primary School Children in Hong Kong Wai Chun Cherry Au, Ho Yin James Pong and Jong Hyuk David Kang S8 - The Role of Artificial Intelligence in Supporting Inclusive Education: Challenges and Opportunities for Teachers Xiaoqing Lin and Yi Xin S49 - The Opportunities and Challenges of Implementing Generative AI in Collaborative Learning: A Scoping Review

	Xuechun Shi and Shen Ba S1 - Inspiring Ideas for English Creative Writing: Insights from Designers on A Prototype of Artificial Intelligence-Assisted Platform MuseAIWrite Nicole Yin Yang Q&A
15:00-15:30	Break
15:30-16:30 Room 2 (D2-LP-08)	Paper Presentation Session 5 Strand: C&P Session Chair: Dr LEE Ju Seong L50 - Enhancing speaking skills in access-limited communities: AI-mediated Informal Digital Learning of English (AI-IDLE) Ju Seong Lee, Roland Tai Yin Leung, Nur Arifah Drahati, Maria Hidayati, Didik Suhardi and Ananto Kusuma Seta S26 - Integrating AI and SCAMPER in Poetry Writing: Gender Differences in Creative Performance Jon-Chong Hong, Huan Yeh and Sin-Ping Wang S30 - OpenImpact Lab: Leveraging GenAI for Project-Based Learning and NGO Empowerment Max Jwo Lem Lee, Alwin Lin, Ruoyu Chen and Li-Ta Hsu S25 - Innovating Music Education through Generative AI: A Case Study on the Music and Science of Sound Course Enrico Bertelli Q&A
16:30-17:00	Break
17:00-17:30 Room 1 (D2-LP-09)	Award Ceremony of AIREA Competition
17:30-20:00	Networking Dinner at Hong Kong Science Park (Prior registration is required. Shuttle bus will be provided.)

Notes:

HEVT: Challenges and Opportunities of AI in Higher Education and Vocational Training

K-12: AI-Enhanced K-12 Education: Challenges and Potential

O&A: Learning Outcomes and AI-Driven Assessments

C&P: Innovating Curriculum and Pedagogy through AI

ETHICS: Societal and Ethical Issues in AI-empowered Education

Day 2: 21 August 2025 (Thursday)

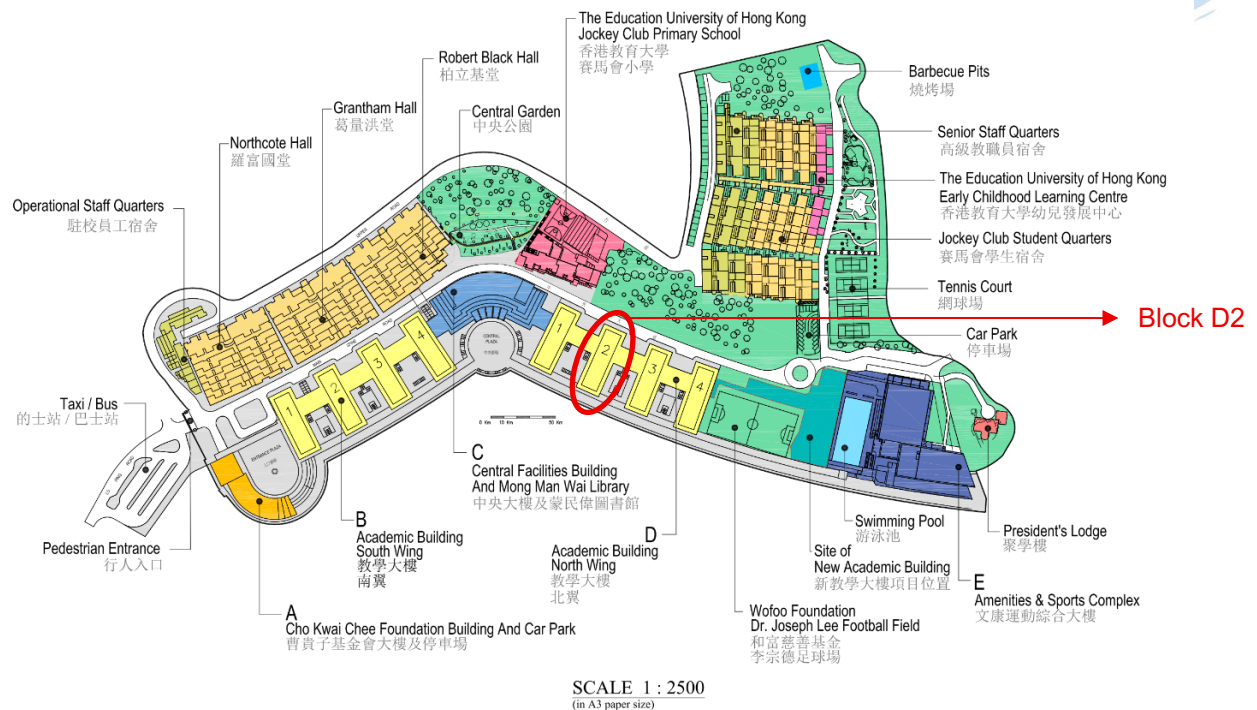
Time / Venue	Programme
09:00-09:30	Registration
09:30-10:30 Room 1 (D2-LP-09)	Keynote Speech 2 Leveraging Artificial Intelligence to Unleash Students' Potential: Insights from a 5-Year Hong Kong Study Speaker: Professor KONG Siu Cheung Chair: Professor YEUNG Chi Ho Bill
10:30-11:00	Break
11:00-12:15 Room 1 (D2-LP-09)	The 4th AIREA AI & Education Forum (Part I) Welcoming Address Professor CHAN Che Hin Chetwyn Talk 1: Empowering Personalized Mathematical Learning with LLM-based Chatbot Professor JIANG Bo Talk 2: Basic Math, Smart Tutoring: Overcoming Challenges in Developing an AI Chatbot for Primary Students Dr CHENG Kwok Shing Gary Talk 3: Assessment as Design: A New Paradigm for Education Assessment in the Age of AI Dr ZHENG Chanjin Talk 4: Developing an AI-empowered Chinese Composition Assessment System for Hong Kong Students Dr SO Chi Fuk Henry
11:00-12:00 Room 2 (D2-LP-08)	Paper Presentation Session 6 Strand: O&A Session Chair: Professor SONG Yanjie L15 - Fine-Grained Student Engagement Evaluation with Large Language Model: A case in Collaborative learning Sixu An, Haoli Wang, Qihao Yang, Yu Yang and Guandong Xu L20 - Developing a VR-based Immersive Learning Platform with a Multimodal AI Agents System for Improving University Students' Academic Presentation and Self-directed Learning Yanjie Song, Jiachen Fu, Kaiyi Wu and Chiu Tsun Tsang

	L38 - A meta-review on the role of AI in English writing: A recent trend Hetian Yu and Lan Yang Q&A
11:00-12:00 Room 3 (D2-LP-10)	Paper Presentation Session 7 Strand: HEVT Session Chair: Dr PENG Shi Xin Steven L11 - A Detailed Analysis of the Impact of Large Language Models on Students' Cognitive and Metacognitive Ability Haoli Wang, Sixu An, Yu Yang and Guandong Xu L37 - Are They Ready? Analyzing Chinese Preservice Teachers' Acceptance to Use Gen AI in Education Yujie Kuang and Jiateng Zhou L7 - Enhancing EFL Speaking Skills Through Artificial Intelligence Technology: Opportunities and Challenges Junyi Shen and Bojie Qian S12 - Bridging Job Market Predictions and Personalized Recommendations for Career Guidance: AI-Driven Career Pathway Approach Yunqi Wang, Haoli Wang, Yu Yang and Guandong Xu Q&A
12:15-14:00	Lunch Break
14:00-15:00 Room 1 (D2-LP-09)	Keynote Speech 3 AI for Education: Exploration and Prospects Speaker: Professor ZHANG Min Chair: Professor SONG Yanjie
15:00-15:15	Break

15:15-16:00 Room 1 (D2-LP-09)	The 4th AIREA AI & Education Forum (Part II) Talk 5: SmartWrite-Future: Multimodal Cognitive Handwriting Analysis Platform for Children Mr ZHANG Kai Talk 6: Algorithms and Data Analytics for Smart Writing Platform Dr FU Hong Talk 7: A Constructivist Approach to Engaging University Students in GenAI Literacy Dr LEUNG Ka Lok Jac
15:15-16:15 Room 2 (D2-LP-08)	Paper Presentation Session 8 Strand: C&P Session Chair: Dr TING Sze Thou Fridolin L16 - Learning with Generative AI Avatars in Virtual Reality vs. Desktop Paolo Mengoni, Daniel Jiandong Shen, Paulina Pui Yun Wong and Sunny Hee Sun Choi L32 - Integrating Generative AI into Inquiry-Based Learning for Mathematics Education Fridolin Ting, Daisy Dichen Wang and Lawrence Chi Lok Chan L36 - A Case Study of Identifying AI's Epistemological Roles in ICAP-STEAM Education: Evidence from an Arduino Environmental Monitoring System Project Wai Kit Mak S22 - AI for Science and Science for AI: Lessons Learned from Curriculum Modifications for the undergraduate program of biostatistics in a Sino-British University Tenglong Li Q&A
16:15-16:30	Break
16:30-17:45 Room 1 (D2-LP-09)	Panel 2 - The Future of Education Technology: Balancing Innovation and Learner Diversity Chair: Dr MCMINN Sean
17:45-18:00 Room 1 (D2-LP-09)	Closing Ceremony

Venue

The Education University of Hong Kong Tai Po Campus 香港教育大學大埔校園



Conference Venue: D2-LP, 10 Lo Ping Road, Tai Po, New Territories, Hong Kong



Transportation

Shuttle bus will be offered in the morning and afternoon, for arrival and departure, on a first-come-first-served basis, between the venue (EdUHK Block D2) and the University Station.

If you prefer public transportation, please visit <https://www.eduhk.hk/eo/transportation/types-transport/public-transport>.



NOTES

NOTES

The EdUHK x HKUST Joint International Conference on
AI and EDUCATION



<https://aiedu2025.eduhk.hk/>

20 - 21 August 2025



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