香港數學教育學會
Hong Kong Association for Mathematics Education

香港都會大學
教育及語文學院
Hong Kong Metropolitan University
School of Education and Languages

香港數學教育會議 2025
Hong Kong Mathematics Education Conference 2025

地點：香港都會大學 賽馬會校園
Venue: Jockey Club Campus, Hong Kong Metropolitan University

論壇：在數學教育中實施人工智能 (AI) 的挑戰（現場、網上同步，英語、廣東話、普通話進行）
Forum: *Challenges in Implementing AI in Mathematics Education* (To be conducted in trilingual mode: English, Cantonese and Putonghua)

本論壇「在數學教育中實施人工智能的挑戰」將探討在不同教育階段中整合 AI 工具的方式。討論將集中於如何在中學數學課堂中使用 AI 驅動的平台來個性化教學，在小學數學課堂中使用基於 AI 的教育應用程序來提高參與度和理解力，以及為幼兒園學生創建互動的數學活動以發展早期數學技能。
此外，論壇還將探討 AI 數據分析工具如何幫助中學教師識別學習差距，使用 AI 驅動的數學遊戲來加強小學生對概念的理解，以及支持幼兒園教師評估早期數學技能的 AI 應用。討論還將涉及倫理考量、平衡 AI 與傳統教學方法以及解決使用 AI 工具時可能面臨的挑戰，以確保有效且有意義的學習體驗。
"Challenges in Implementing AI in Mathematics Education," will explore the integration of AI tools in math instruction across different educational levels. Discussions will focus on how AI-powered platforms can personalize instruction in secondary math classes, strategies for using AI-based educational apps to enhance engagement and understanding in primary math classrooms, and creating interactive math activities for kindergarten students to develop early numeracy skills.
Additionally, the forum will examine how AI data analysis tools can help secondary teachers identify learning gaps, the use of AI-driven math games to reinforce primary students' understanding of concepts, and AI applications that support kindergarten teachers in assessing early math skills. Ethical considerations, balancing AI with traditional methods, and addressing potential challenges in using AI tools will also be discussed to ensure effective and meaningful learning experiences.

講者 Forum panelists			
Mr. Ko Kwan Ngok 高均嶽先生		香港青年協會李兆基書院數學教師，畢業於香港科技大學數學系，獲理學士，主修數學。任教初中及高中數學，亦是學校的科技及電子教學組統籌老師，在學校積極推行 BYOD 電子教學及探索如 何利用人工智能工具來提升教學效率，致力於利用課堂互動及電子工具幫助學生更有效地理解數學概念。	A dedicated educator at HKFYG Lee Shau Kee College, Mr. Ko holds a Bachelor of Science degree in Mathematics from the Hong Kong University of Science and Technology. With experience teaching mathematics to junior and secondary school students, he also serves as the school's IT and eLearning Coordinator. He is passionate in promoting BYOD, eLearning and leveraging AI tools to enhance learning efficiency. By incorporating interactive strategies and digital tools in classrooms, he strives to make learning mathematics more engaging and accessible for my students.
Dr. Tsui Ming Yan 徐銘恩助理校長		現任滙基書院助理校長兼數學科科主任。於香港大學取得教育博士學位（數學教育），研究興趣涵蓋電子學習、數學建模及教育桌遊等領域。目前亦擔任課程發展議會數學教育委員會成員及香港數理教育學會（數學組）委員。近年，他亦兼任香港中文大學教學實習視導導師，以及香港都會大學遙距課程的學科編撰員。	Currently serving as the Assistant Principal and Head of the Mathematics Department at United Christian College. He obtained the Doctor of Education (EdD) in Mathematics Education from The University of Hong Kong. His research interests include e-learning, mathematical modeling, and educational board games. He is also a member of the Curriculum Development Council Committee on Mathematics Education and the committee member of Hong Kong Association for Science and Mathematics Education (Mathematics). In recent years, he has served as a teaching practicum supervisor at The Chinese University of Hong Kong and as a course developer for distance learning course at Hong Kong Metropolitan University.

講者 Forum panelists			
Mr. Leo Sung Po Wa 宋寶華副校長		現任直資小學副校長（學與教），畢業於香港大學機械工程學系。2015-2016 年憑數學科校本增潤課程獲頒「行政長官卓越教學獎（數學）」，近年專注數學、資訊科技與 STEM 課程整合。曾任教育局借調教師、港大電子發展實驗室培訓導師，並為教大電子教材提供專業指導。	Mr. Sung is currently Vice Principal (Teaching & Learning) at a DSS primary school. He holds a degree in Mechanical Engineering from HKU. Awarded the Chief Executive's Award for Teaching Excellence (Mathematics, 2015-2016) for a school-based enrichment program, he specializes in integrating mathematics, IT, and STEM education. He has served as a seconded teacher at EDB, HKU e-learning instructor, and curriculum advisor for EdUHK's digital teaching resources.
Mr. Chan Chung Hong 陳頌康校長		聖公會聖十架小學校長，香港浸會大學教育學士(榮譽)，香港中文大學文學碩士。曾任教小學數學多年，現任九龍城區小學校長會主席、香港初等教育研究學會副主席，及優質教育基金 STEAM 教育主題網絡學校校長。	Principal of S.K.H. Holy Cross Primary School, a Bachelor of Education (Honors), Hong Kong Baptist University, and Master of Arts, The Chinese University of Hong Kong. He has been a primary school mathematics teacher with many years of experience. He is currently the Chairperson of the Kowloon City District Primary School Heads Association, Vice Chairperson of the Hong Kong Society for Elementary Education Research, and Principal of a Quality Education Fund STEAM Education Thematic Network School.

講者 Forum panelists			
Dr. Siu Ming Nelly, Ng 吳少明校長		畢業於華中師範大學，獲教育學博士、香港中文大學幼兒教育文學碩士，並持有幼稚園校長證書。現為教育局幼稚園視學組質責評核在職校長外間觀察員、香港都會大學客席講師、香港教育大學幼師校友會執委、觀塘區學校聯會執委，以及順德聯誼總會梁潔華幼稚園校長。	Dr. Siu Ming Nelly, Ng holds a PhD degree in Education from Central China Normal University, a Master of Arts degree in Early Childhood Education and a Certificate in Kindergarten Principal from the Chinese University of Hong Kong. She is an external observer for quality assessment of in-service principals of the Kindergarten Inspection Team of the Education Bureau, Guest Lecturer at Hong Kong Metropolitan University, Executive member of The Education University of Hong Kong Kindergarten Teachers Alumni Association, executive member of the Kwun Tong District Schools Association, and Principal of Shun Tak Fraternal Association Leung Kit Wah Kindergarten.
Mr. Lui Man Ho 呂文澔校長		畢業於香港教育大學，獲教育碩士。現為幼稚園校長，同時亦為香港都會大學教育及語文學院遙距課程及教學實習科目導師，以及港青基信書院校友校董。	Graduated from The Education University of Hong Kong with a Master's degree in Education. Currently serving as a kindergarten principal, as well as a tutor for distance learning courses and teaching practice subjects in the School of Education and Languages at Hong Kong Metropolitan University, and an alumni school manager at YMCA of Hong Kong Christian College.