The Chinese University of Hong Kong
Department of Psychiatry
Schedule for February, 2025

Date	Time	Activity	Speaker(s)
Feb6		No Event	
Feb13	14:30-16:00	Psychotherapy Case Conference (MUL)# *The approach of Family Therapy - from symptom to system - with case illustrations*	Dr. Irene KAM
	16:00-17:00	Psychotherapy Supervision (MUL)#	
Feb20	14:30-16:30	Quality Assurance Meeting (SH)# / (TPH)#	
Feb27	14:30-16:00	Academic Lecture (MUL)* *From Delay to Proactive: Transforming Work Injury Management with AI-Driven Innovations in Insurance and Rehabilitation* Registration: https://bit.ly/40qseZ8	**Dr. Peter NG** Assistant Professor Department of Computing Faculty of Engineering The Hong Kong Polytechnic University

Venue:	*Live video	#Closed meeting	@Non-CME Event	MUL Seminar Room, Multi-centre, Tai Po Hospital, Tai Po, N.T.	TPH Conference Room 1 G/F, Wing D Tai Po Hospital Tai Po, N.T.	SH Dining Room Ward 7AB Dept. of Psychiatry 7/F, Shatin Hospital Shatin, N.T.	1AL Rm. 1005, Dining Room Ward 1AL, 1/F Tai Po Hospital Tai Po, N.T.

Please contact 2607-6025 two days before hand to arrange presentation equipment.

http://www.psychiatry.cuhk.edu.hk

ACADEMIC LECTURE

Dr. Peter NG

Assistant Professor
Department of Computing
Faculty of Engineering
The Hong Kong Polytechnic University

📅 27 FEB 2025 (THU)

🕐 14:30 - 16:00

📍 Seminar Room, Multicentre, Tai Po Hospital & Zoom

Topic: From Delay to Proactive: Transforming Work Injury Management with AI-Driven Innovations in Insurance and Rehabilitation

Abstract:

Work injury management has traditionally been reactive, addressing challenges only after they escalate. This approach often leads to prolonged recovery times, significant mental health challenges, and inefficiencies in the return-to-work (RTW) process, creating financial and legal burdens for employers and insurers. In fast-paced urban environments like Hong Kong, where over 32,000 occupational injuries were reported in 2022, a shift from delayed responses to proactive strategies is urgently needed.

This talk introduces S.H.I.E.L.D. (Smart Holistic Insurance Enhancement using Learning Algorithms and Dialog Data), a transformative AI-driven framework that revolutionizes work injury management by adopting a proactive approach. By leveraging advanced machine learning techniques like Variational Autoencoders (VAE) with attention layers and integrating biopsychosocial insights, S.H.I.E.L.D. anticipates challenges before they escalate. The system enhances sick leave prediction, detects patterns that hinder recovery, and tailors personalized rehabilitation plans, reducing delays in care and improving overall outcomes.

Biography:

Dr. Peter Ng is currently an Assistant Professor in the Department of Computing (COMP) and Rehabilitation Sciences (RS) at PolyU. He leads the Game Lab and serves as the program leader for the MSc in Metaverse Technology within COMP. His research interests include artificial intelligence, health data, and mixed reality development. Notably, his work in work injury management systems covers 20% of Hong Kong's cases.

Dr. Ng has received numerous accolades, including being part of one of the best ACG+ Capital teams recognized by the Hong Kong Home Affairs Department in 2017. He has also been honored with the PolyU FENG Merit Awards for Teaching in 2017 and 2021, Team Awards for Teaching in 2021, and the Merit Award for Service in 2019. Additionally, he was the Gold Winner of the Community Outreach Award (eLFA2021) in 2021 and was named one of the Best Ten Teachers in the Greater Bay Area STEM Excellence Awards in 2022 (HKSAR).

Dr. Ng has secured over HK$92 million in funded projects, with HK$26.1 million as Principal Investigator (PI) or Co-Principal Investigator (Co-PI) and HK$66.42 million as a Co-Investigator (Co-I). These projects span key areas such as mixed reality (HK$30M), healthcare (HK$53M), and teaching (HK$31M), highlighting his significant contributions to innovation and interdisciplinary research.

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