



Lingnan 嶺南大學
University 香港 Hong Kong

Lingnan University
Institute for Advanced Study

Lingnan Foundation Distinguished Lecture Series

Federated Learning and Large Language Models

Speaker

Professor Qiang YANG

Chief Artificial Intelligence Officer (CAIO), Director of PolyU Academy for Artificial Intelligence (DoPAAI), Director of Research Institute for Federated Learning (DoRIFL) and Chair Professor of Artificial Intelligence
The Hong Kong Polytechnic University
Lingnan Fellow, Lingnan University Institute for Advanced Study

Date: 9 September 2026 Time: 2:15 PM - 3:15 PM

Venue: MBG01, Patrick Lee Wan Keung Academic Building
Lingnan University

Mode: Face-to-face



Abstract

With the development of large Artificial Intelligence (AI) models, AI has entered a new era. One challenge in the practical application of large models is how to transfer the knowledge of general-purpose large models to localised small models while protecting the privacy and data security of all parties. In this talk, I will first explore several challenges faced by large AI models, then discuss how to use the "Federated LLM" framework to provide some solutions.

Biography

Prof Qiang Yang is a Fellow of the Canadian Academy of Engineering (CAE) and the Royal Society of Canada (RSC), Director of Hong Kong PolyU Academy for AI (PAAI) & Research Institute for Federated Learning (RIFL), and Vice President of the Chinese Association for Artificial Intelligence (CAAI). He is also a Fellow of CAAI, AAI, ACM, IEEE and AAAS. He was the founding EiC of top international journals ACM Transactions on Intelligent Systems and Technology (ACM TIST) and IEEE Transactions on Big Data. His research focuses are the study and application of Transfer Learning, Federated Learning and AI Planning. His latest books are 《Transfer Learning》, 《Federated Learning》, 《Privacy-preserving Computing》, 《AI Model Watermarks》, etc. Prof Yang is a Professor Emeritus of Hong Kong University of Science and Technology and the Chief AI Officer Emeritus of WeBank. He has also been conference or program chairs for IJCAI and AAI. He has been honoured with the 2017 ACM SIGKDD Distinguished Service Award and the 2023 IJCAI Donald E. Walker Distinguished Service Award.

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