

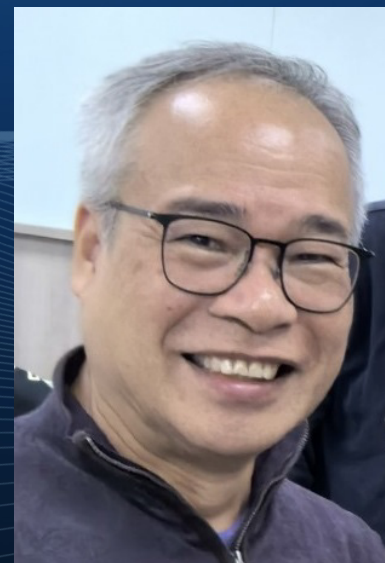
DISTINGUISHED LECTURE SERIES 2024/25

Prof. LI Chi-Kwong

Ferguson Professor of Mathematics

Department of Mathematics, College of William and Mary

Chi-Kwong Li received B.Sc. and Ph.D. degrees from the University of Hong Kong in 1982 and 1986, respectively. He is currently Ferguson Professor of Mathematics at College of William and Mary. He is an affiliate member of the Institute for Quantum Computing, University of Waterloo, Canada. His research interests include matrix theory, operator theory, combinatorial theory, quantum information science, mathematical biology, and mathematical education. He received the Hans Schneider Prize (2025) from International Linear Algebra Society and JMAA paper award (2015) for his publication. He was also Fulbright Scholar awardee (2021).



Venue:

RRS905, Sir Run Run Shaw Building, Ho Sin Hang Campus, HKBU

28 May 2025, 16:00 - 17:00 (Reception at 15:30)

Exploring Computational Methods in Quantum Information Science

This talk explores a selection of problems in quantum information science centered on the construction of quantum states and quantum channels with prescribed properties. We will discuss both theoretical limitations and computational strategies for tackling these challenges. Emphasis will be placed on mathematical formulation and algorithmic approaches, rather than physical intuition. No background in quantum theory will be assumed.