**THE UNIVERSITY**        **OF HONG KONG**

*Institute of Mathematical Research*
*Department of Mathematics*

# COLLOQUIUM

# Invariants and Representations in Quantum Computing

## Prof. Jingsong Huang

### Chinese University of Hong Kong, Shenzhen

## Abstract

Algebraic and geometric invariants are among the central objects in representation theory. This talk will focus on understanding quantum Fourier transform and measurement of entanglement by representation theoretical approach.

| Date: | February 21, 2025 (Friday) |
|---|---|
| Time: | 2:00 – 3:00pm |
| Venue: | T4, Meng Wah Complex, HKU |

*All are welcome*