



## Quantum Readiness in Banking: Strategy, Security and Competitive Advantage

5 May 2026 (Tuesday)

### Introduction

Quantum technologies are advancing rapidly from theory into industry-relevant applications, with growing implications for banking and other financial services. Compared to conventional computers, quantum technology processes information drastically differently, which enables potentially disruptive advantages for complex tasks such as portfolio optimisation, enhanced trading predictions, and accelerated risk calculations. At the same time, the computational ability of quantum technology poses risks, such as breaking today's cryptographic systems. The banking industry should be quantum-ready, as well as quantum-resilience.

This seminar is tailored for bank directors and senior bankers, offering a clear, non-technical view of how quantum developments may affect bank strategy, and what proportionate actions institutions can take today.

Topics include:

- (i) **How Quantum Computing Works:** The basic principles of quantum computing, from computer architecture to working principles.
- (ii) **The Quantum Landscape for Financial Services:** Overview of current quantum capabilities, global investment trends, timelines of technology readiness and implementations.
- (iii) **Quantum for Finance:** An in-depth discussion of current industrial applications of quantum computing, including how today's infrastructures can be useful for quantum advantages. Case studies of practical applications in banking, such as portfolio optimisation, risk minimisation, and quantum-assisted AI for finance, as well as quantum-related risks will be discussed.
- (iv) **Post Quantum Cryptography (PQC) and Long-term Security:** Why PQC preparation is a strategic priority for banks, covering data longevity, migration complexity and alignment with international standards.
- (v) **Building Sustainable Quantum Readiness:** Practical considerations on sequencing investment, oversight responsibilities and avoiding premature adoption while strengthening resilience.

**Limited seating. Early enrolment to secure your place is suggested.**

### Speakers

#### Dr Daniel EBLER

##### Principal Researcher & Scientific Lead for Quantum in High Performance Optimization, Huawei Hong Kong

Dr Ebler has extensive research experience at Swiss Federal Institute of Technology Zurich, the University of Oxford and the University of Hong Kong. His work focuses on quantum computing, quantum machine learning and quantum-enabled optimisation. He currently leads Huawei Hong Kong's quantum research initiatives in the fields of optimisation.

#### Peter LEE

##### Chief Technology Officer, IBM Hong Kong

Mr Lee oversees digital transformation across Artificial Intelligence and Hybrid Cloud, with more than 25 years of IT leadership experience. He leads technical architecture for Infrastructure, Data & AI, Automation and Sustainability.

### Seminar Details

#### HKIB CPD / SFC CPT / PWMA OPT – 1.5 hours

Date	: 5 May 2026 (Tuesday)
Time	: <b>8:30 am – 11:00 am</b> <ul style="list-style-type: none"> <li>• 8:30 am: Registration and buffet breakfast starts</li> <li>• 9:30 am – 11:00 am: Speaking and Q&amp;A session</li> </ul>
Registration	: 8:30 am Please present confirmation e-mail and a business card for registration.
Venue	: Grand Ballroom, Grand Hyatt HK 1 Harbour Road, Wan Chai, Hong Kong
Language	: English
Fee	: HK\$4,000 per participant
Enrolment	: Click <a href="#">HERE</a> for the enrolment form. Please fill it out and return it via email to <a href="mailto:project@hkib.org">project@hkib.org</a>
Enquiry	: (852) 2153 7802 / (852) 2153 7892 <a href="mailto:project@hkib.org">project@hkib.org</a>

### Target Participants

- Directors of Boards of **Als incorporated in Hong Kong**,
- Chief Executives/Alternate Chief Executives of **all Als**
- This Seminar is also an **on-boarding seminar**. **Directors appointed within 2 years** are expected to attend it.