中華民國國際經濟合作協會 CIECA Chinese International Economic Cooperation Association (CIECA), Taiwan

BUSINESS FINLAND

The 13th Taiwan-Finland Business Forum
第 13 屆臺芬(蘭)經濟合作會議

芬蘭訪團名單

Quantum Technology 量子科技	
Company/Academia and Research Organizations	**Introduction**
XIPHERA	**Xiphera Oy** Xiphera offers secure, optimized cryptographic IP cores designed directly for FPGAs and ASICs without hidden CPU or software components. Their broad, in-house portfolio includes Post-Quantum Cryptography, enabling cost-effective development and fast time-to-market for a secure world. 純硬體加密 IP 核心及後量子加密設計方案
QMill	**QMill** QMill is a developer of quantum algorithms designed for industrial applications. They provide proof-of-concept algorithms that are compatible with both quantum simulators and NISQ (Noisy Intermediate-Scale Quantum) hardware, specifically targeting sectors such as energy, logistics, and telecommunications. 量子演算法開發商，提供適用於模擬器與現行量子硬體工業級演算法方案
NOKIA	**NOKIA** NOKIA is a global leader in telecommunications, providing end-to-end network infrastructure. Their focus includes developing quantum-safe networks and post-quantum cryptography (PQC) solutions. 全球電信領導者，提供量子安全網路與後量子加密(PQC)設計方案
IQM	**IQM Quantum Computers** IQM is the leading European quantum computing company that delivers on-premises quantum computers and provides quantum solutions to enterprise customers. IQM is a full-stack solutions provider, and quantum processors are built based on superconducting qubits technology. **量子電腦、量子硬體全方位開發商**
SemiQon™	**SemiQon Technologies Oy** Semiqon develops scalable silicon-based quantum processors and cryogenic CMOS electronics designed for cost-effective quantum computing. Their technology leverages existing semiconductor manufacturing processes to build stable, high-quality qubits and integrated control systems. 開發可擴展的矽基量子處理器與低溫電子元件，利用半導體製程提升硬體穩定性
QuantrolOx THE QUBIT AUTOMATION COMPANY	**QuantrolOx** QuantrolOx, an Oxford University spinout, is the developer of Quantum EDGE software for qubit and quantum processor tune-up automation. We envision a world where the bring-up, characterization, testing, and tune-up of every qubit will be fully automated. 量子位元自動化控制軟體

CSC	**CSC - IT Center for Science** CSC is a non-profit center of expertise owned by the Finnish state and higher education institutions. The organization hosts the EuroHPC LUMI supercomputer, which utilizes a highly parallel architecture to support massive scientific computing workloads across Europe. 負責運作 LUMI 超級電腦，並建構高效能運算、AI 與量子科技整合環境的研究機構
HELSINGIN YLIOPISTO	**University of Helsinki** University of Helsinki focuses its research efforts on increasing the performance level of quantum computing through the development of software accelerators and optimizing compilers. These tools are designed to better align theoretical algorithms with the capabilities of modern hardware, specifically NISQ devices. 重點開發量子軟體加速、編譯器，以及近中程量子（NISQ）設備上的量子機器學習(Quantum Machine Learning, QML)應用
Aalto University	**Aalto University** Aalto University serves as the coordinator for InstituteQ and the Finnish Quantum Flagship, integrating research, education, and innovation in quantum technology. 統籌芬蘭量子研究院(InstituteQ)與芬蘭量子旗艦計畫(Finnish Quantum Flagship, FQF)，整合研發、教育與創新資源