

Activities

[1] On June 29, 2026 - INTERNATIONAL SYMPOSIUM ON QUANTUM AI & THE FUTURE OF LIFE (ISQAI-FoL)

The International Symposium on Quantum AI and the Future of Life aims to create an interdisciplinary platform for thought leaders, practitioners, and researchers from diverse fields to explore the transformative potential of quantum computing and artificial intelligence (AI) in shaping the future of human well-being. This event will focus on cutting-edge applications of these groundbreaking technologies across four key domains: Biomedicine & Healthcare, Integrating Traditional Chinese Medicine and Western Medicine, Longevity and Anti-aging, and Life Optimization.

Click [here](#) for more information.



[2] On June 8, 2026, AIQRC—a group of eight members—visited Taiwan-based renowned pharmaceutical company to explore opportunities for academic–industry collaboration

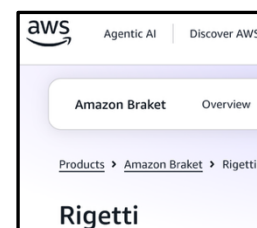
[3] On May 27, 2026, AIQRC published an article in the Economic Daily News. Click [here](#) for the original contents.

[4] On May 7, 2026, AIQRC published an article in the Economic Daily News; the English translation is included in the newsletter. Click [here](#) for the original contents.

[5] On April 22, 2026, AIQRC published an article in the Economic Daily News; the English translation is included in the newsletter. Click [here](#) for the original contents.

[6] On April 8, 2026 AIQRC received approval to use the AWS cloud-based Rigetti Computing quantum computing system.

Click [here](#) for more information



[7] **Feb. 2026** - We recently secured approval for five Ministry of Education–funded programs in Taiwan, creating valuable learning pathways for young people. These programs support international exchange and advanced training at globally recognized universities, helping students build interdisciplinary knowledge, research skills, and global perspectives in fields such as artificial intelligence, quantum computing, biomedical science, systems medicine, and robotics. Click [here](#) for more information.

I-9-10	④	IBM量子夢：紐約研習營	美國紐約	(九)科技網絡及數位服務	制霸IBM量子科技巔峰	115年7月13日至7月28日，共計16日（含飛行日）
I-9-11	④	醫工量子：UCLA 菁英計畫	美國加州洛杉磯	(九)科技網絡及數位服務	探索腦科學與量子計算	115年7月6日至9月3日，共計60日（含飛行日）
I-9-12	④	量子金融：赴美職涯領航	美國大紐約區	(九)科技網絡及數位服務	跨足量子與AI金融實務	115年7月6日至8月9日，共計35日（含飛行日）
I-9-13	④	AI與石黑浩：探索擬真界	日本大阪	(九)科技網絡及數位服務	台日共創人形機器人新未來	115年8月1日至116年1月15日，共計168日（含飛行日）
I-9-14	④	勇闖WVU：太空機器人實戰	美國摩根敦	(九)科技網絡及數位服務	太空採集機器人見習	115年7月6日至7月23日，共計18日（含飛行日）

[8] **From March 16 to 19**, Asia University’s AIQRC is actively advancing its forward-looking strategy. President Jeffrey J. P. Tsai, Honorary Chairman of AIQRC (third from the right in the photo) and Chair Professor, K.T. Huang, Director of AIQRC (fifth from the right in the photo), recently led a delegation to the United States to visit quantum technology firm Rigetti Computing, where they were hosted by Vice President Mike Piech (fourth from the right in the photo). The visit marks an important step in strengthening the university’s quantum AI strategy, fostering connections with world-class technologies, and building a solid foundation for its vision of becoming an “AI University.”

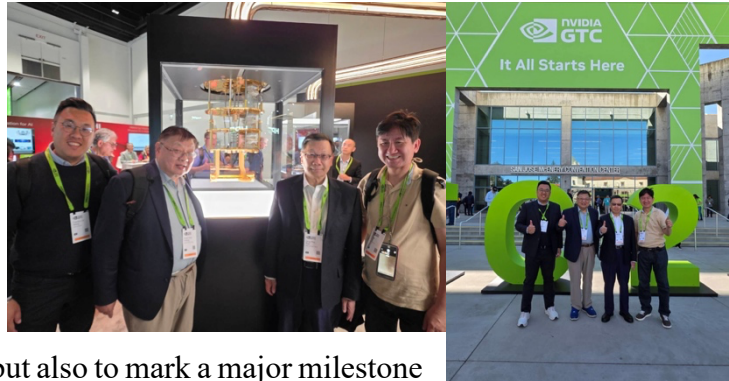


Click [here](#) for more information.

The Asia University delegation conducted an in-depth visit to Rigetti’s laboratories, inspecting hardware facilities and system architectures such as superconducting quantum computers (superconducting qubits), and gaining firsthand insight into the latest technological developments shaping the global quantum industry. President Jeffrey J. P. Tsai, Honorary Chairman of AIQRC (third from the left in the photo), Chair Professor, K.T. Huang, Director of AIQRC (second from the right in the photo) and Rigetti Computing Vice President Mike Piech (fourth from the left in the photo).

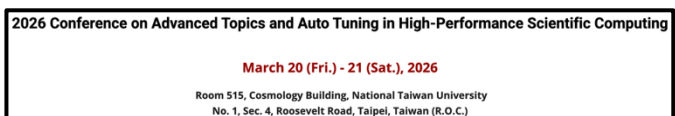


[9] **From March 16 to 19**, President Jeffrey J. P. Tsai, Honorary Chairman of AIQRC (second from the right in the photo), led teams in quantum AI, robotics, and intelligent healthcare to Silicon Valley to attend NVIDIA GTC 2026, the world's premier annual AI conference, and engage with the global AI and semiconductor ecosystem. Tsai emphasized that the visit aimed not only to track cutting-edge technologies, but also to mark a major milestone in advancing Asia University's AI University vision and international collaboration strategy.



Click [here](#) for more information

[10] **On March 20, 2026** Deputy Director of AIQRC, Ka-Lok NG, delivered a presentation titled “Exploring the Potential Advantages of Quantum Machine Learning in Biomedical Research” at the 2026 Conference on Advanced Topics and Auto Tuning in High-Performance Scientific Computing.9Click [here](#) for more information.



[11] **Feb. 2026** - We successfully had a proposal accepted for the Fujitsu Quantum Simulator Challenge 2025–26 event.

Announcing the Fujitsu \$100,000 Quantum Simulator Challenge 2025-26

Click [here](#) for more information.

The Future of Quantum-Safe Banking in ASEAN

ASEAN has become one of the world's fastest-growing digital finance regions. Mobile banking, e-wallets, and real-time payment systems now support millions of daily transactions across the region. Yet behind this rapid growth lies a challenge that many financial institutions have only begun to recognize: the quantum computing threat.

Today's banking systems rely heavily on encryption methods such as RSA and Elliptic Curve Cryptography (ECC) to secure customer data, authenticate users, and protect financial transactions. While these technologies remain secure against conventional computers, future quantum computers could potentially break them, fundamentally changing the cybersecurity landscape.

Perhaps the most concerning risk is what experts call “**Harvest Now, Decrypt Later**” that means information considered secure today may not remain secure tomorrow. For banks, this could affect sensitive customer records, financial contracts, and long-term confidential data.

The financial sector is already preparing for this possibility. In 2024, the U.S. National Institute of Standards and Technology (NIST) finalized the world's first post-quantum cryptography (PQC) standards, providing a pathway toward encryption systems designed to withstand quantum attacks. The message is clear: organizations should begin planning now rather than waiting for quantum computers to mature.

For ASEAN, the challenge is not only technological but also strategic. While Singapore has established itself as a regional leader in quantum research and cybersecurity preparedness, many institutions across Southeast Asia remain focused on digital expansion rather than quantum readiness. As digital banking adoption accelerates, the future cost and complexity of cryptographic migration will only increase.

The transition to quantum-safe banking will require more than new encryption standards. Banks must identify vulnerable systems, develop crypto-agile infrastructures, invest in cybersecurity talent, and collaborate with regulators on long-term migration strategies.

Quantum computing may still be years away from disrupting financial services, but the preparation window has already opened. For ASEAN banks, the question is no longer whether quantum-safe security will be necessary, but whether institutions will be ready when the transition becomes unavoidable.



Figure 1. Overview of the quantum-safe banking roadmap in ASEAN, highlighting quantum cybersecurity threats, adoption of post-quantum cryptography standards, regional readiness assessment, strategic implementation phases, and key enablers for secure digital financial infrastructures.

References:

1. NIST. Post-Quantum Cryptography Standards (2024).
2. Barenkamp, M. (2022). Steal Now, Decrypt Later. Informatik Spektrum, 45, 349-355.
3. Kagal et al. (2025). Harvest-Now, Decrypt-Later: A Temporal Cybersecurity Risk in the Quantum Transition. Telecom, 6(4), 100

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