

NTU Q

IBM QUANTUM'S FALL CHALLENGE EXPLORES INDUSTRY APPLICATIONS IN QUANTUM COMPUTING

The [IBM Quantum Challenge Fall 2021](#) will run from October 27 to November 5 in collaboration with the University of Tokyo and Keio University. The University of Tokyo marks the first installations of the IBM Quantum System One outside of the United States few month ago. The groups from this two university make efforts to conduct quantum research and create new business use cases for companies. Participants have 10 days to learn and work on real-life problems in each of the following four promising areas of application for quantum computers: Finance, Nature, Machine Learning, and Optimization.

[READMORE](#)

IBM QUANTUM LAUNCHES ACCELERATOR FOR ENTERPRISE

IBM introduced IBM Quantum Accelerator to help companies to get started. The Accelerator offering is designed to set forward-thinking organizations on the path to quantum advantage. When companies are interested in quantum computer or have already invested in building quantum skills, the Accelerator offering will help they push themselves further along their path to quantum competency. Accelerator offering provide two services:

1. Have premium access to IBM's world-class quantum computing systems.
2. Have the unique opportunity to work with IBM Quantum experts.

[READMORE](#)

APPLY FOR A SUMMER 2022 INTERNSHIP WITH IBM QUANTUM

IBM Quantum internship play an important role on their roadmap for [scaling quantum technology](#) and [quantum software ecosystem](#). This time, IBM will hosting over 100 interns working on a wide range of topics:

1. Software developers: To write code for our suite of quantum software tools and cloud services.
2. Engineers: To advance the development of quantum computing systems.
3. Quantum information researchers: To advance the field of quantum computing research.
4. Designers and product managers: To make important contributions to the quantum technology stack.
5. Community builders: To support and grow the global [Qiskit](#) community.

[READMORE](#)

DELL DEBUTS 'HYBRID' QUANTUM EMULATION PLATFORM FOR ALGORITHM DEVELOPMENT

Dell Technologies Inc. engineers recently detailed hybrid emulation platform for running “hybrid” quantum algorithms, which use both quantum circuits and classical computing hardware to carry out calculations. This platform been described as a hybrid emulation platform rather than a simulator, because there are difference between the two terms. Simulators often only replicate a system’s quantum circuits. An emulator provides a more realistic development environment that recreates both the quantum and classical computing elements of a quantum machine.

[READMORE](#)

計畫補助單位：



IBM Quantum Computer Hub at National Taiwan University

Rm.711, Dept. of Physics /Center for Condensed Building

No. 1, Sec.4 Roosevelt Rd., Da'an Dist. Taipei City 106319, Taiwan

✉ ntuq2018@gmail.com

☎ :+886 2-33669928

🌐 <http://quantum.ntu.edu.tw/>