

台灣學生自主推動量子教育現況與未來

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Qracon 量子電腦學生年會 總召

2025 年為國際量子年，台灣的量子計算教育資源亦在此契機下蓬勃發展。作為最貼近高中生與大學生的量子教育推動組織，EntangleTech 長期致力於構建完善的學生量子計算學習生態圈，旨在整合台灣現有的量子計算教育資源，並建立更具系統性的學習架構，以提升台灣學生在量子科技領域的學習效率與深度。

本次演講將回顧 學生量子電腦年會（Qracon）的發展歷程與成果，並闡述 EntangleTech 在台灣量子教育推廣方面的貢獻與影響。此外，亦將分享未來的發展規劃，包括如何進一步整合教育資源、深化產學合作，以及擴展國際連結，以促進台灣在全球量子科技教育與人才培育上的競爭力。

Taiwan's Quantum Education: Progress and Future Directions

As 2025 marks the International Year of Quantum Science and Technology, Taiwan's quantum computing education resources are expanding rapidly. EntangleTech, as a leading organization dedicated to fostering quantum education among high school and university students, has been actively developing a structured learning ecosystem. Our mission is to consolidate Taiwan's diverse quantum computing education resources and establish a systematic framework that enhances students' accessibility and comprehension of quantum technologies.

In this talk, we will review the progress and achievements of the Quantum Computing Student Conference (Qracon) over the years and highlight EntangleTech's contributions to quantum education in Taiwan. Furthermore, we will outline our future initiatives, including efforts to integrate educational resources, strengthen

industry-academia collaboration, and expand international engagement. These strategies aim to position Taiwan as a key player in the global landscape of quantum science education and talent cultivation.