

What is Ireland's First National Strategy for quantum technology?

Irish policymakers officially launched Quantum 2030, Ireland's first national strategy for quantum technologies.

Will Ireland become a competitive hub in quantum technology by 2030?

As the development of quantum technologies accelerates, this strategy sets the national course with a core vision by 2030 to make Ireland an internationally competitive hub in Quantum Technologies at the forefront of scientific and engineering advances, through research, talent, collaboration and innovation. competitive advantage.

Why should Ireland Invest in quantum technology?

Ireland must remain economically competitive and ensure that the breakthroughs in quantum technologies advance further down the development pipeline. EuroQCI aims to build a secure quantum communication infrastructure that will connect the whole EU.

Is Ireland ready for the quantum revolution?

Quantum 2030 ensures that Ireland is ready for the quantum revolution by supporting research and emerging talent. The national quantum technologies strategy harnesses research and innovation to create a competitive advantage over other global players.

What is the potential impact of quantum technologies in Ireland?

The potential impact of quantum technologies in Ireland is enormous. The first quantum revolution resulted in technologies that are fundamental to today's digital society including lasers and fibre-optic communications, atomic clocks and GPS, transistors, solar cells, and magnetic resonance imaging (MRI).

What is quantum 2.0 & how will it impact Ireland?

With this generative starting point, Quantum 2.0 will present unique opportunities for Ireland. Quantum 2030 has been designed to bring Ireland's diverse quantum technologies stakeholders together under a national vision that reflects the community and targets existing strengths.

Quantum Group Welcome to the IEEE UK and Ireland Quantum Group. The UK and Ireland Quantum Group represents IEEE Quantum in the UK and Ireland section. IEEE Quantum is an IEEE Future Directions initiative launched in 2019 that serves as IEEE's leading community for all projects and activities on quantum technologies.

Established in 1592, and ranked 101st in the world, Trinity College Dublin is Ireland's leading university. International Students . With over 35,000 international students from over 161 countries living in the country, Ireland is a popular ...

Ireland's research and innovation community has built a solid foundation of fundamental and applied research into quantum technologies. As a result, Ireland is now strongly positioned to play a pivotal role in the development of quantum technologies and to reap the benefits of increased research, development and innovation in this area in the ...

In a significant step forward for quantum innovation, Equal1, a leading silicon quantum computing company, has signed a Memorandum of Understanding with the Irish Centre for High-End Computing (ICHEC) to advance the deployment of High Performance Computing and Quantum Computing in Ireland and Europe. This agreement aims to drive technical innovation, address ...

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This approach aims to leverage Ireland's existing quantum research base and the strong foundation created by the presence of global big tech, in order establish Ireland as a leader in the space. Furthermore, Ireland's data centre scale could enable synergies with quantum technology advancements. Although this integration of quantum ...

Quantum computing is based on quantum bits or qubits. "Google used around 50 qubits to perform a complex calculation in 200 seconds that it would have taken a supercomputer 10,000 years to do ...

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Ireland is no stranger to quantum, and Quantum 2030 will only enhance that as it emphasises mechanisms for growing quantum talent. The quantum technology strategy can build on the expertise of two leading Science Foundation Ireland (SFI) Research Centres: IPIC Bringing Photonics to Life, led by Tyndall National Institute, and CONNECT for Future ...

Riverlane is joining The Quantum Energy Initiative, a community that encourages research to make quantum technologies energy efficient. Skip to content. News. Capital Markets; ... Researchers Test Undersea UK-Ireland Quantum Communications Link Matt Swayne October 5, 2023 French National Quantum Report -- June 2024 Matt Swayne June ...

Ireland has launched Quantum 2030, its first national strategy for quantum technologies, aiming to become an internationally competitive hub for quantum technologies by 2030. The strategy will focus on areas of emerging growth in ...

Seizing the future with Quantum Computing. Ireland has a rich history of pioneering contributions in the field of quantum science. From the mathematical foundations laid by Dublin physicist William Rowan Hamilton (1805-1865), who created Hamiltonian mechanics which is the basis for quantum physics.. The pioneering efforts of Belfast physicist John Bell ...

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Ireland's Minister for Further and Higher Education, Research, Innovation and Science, Simon Harris TD, has launched Quantum 2030, Ireland's first national strategy for quantum technologies. As quantum technologies continue to innovate, Ireland has implemented Quantum 2030 to put itself ahead in the global playing field.

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