



# **World's Leading Physicist Says Quantum Computers Are 'Tools of Destruction, Not Creation'**

Proponents of Technocracy are counting on the coming-of-age of quantum computers to enable their science of social engineering and world control. However, this leading physicist says that quantum computers will be 'tools of destruction, not creation' and I think we should be asking some hard questions. □ TN Editor

## **Weapon of Mass Disruption**

Quantum Computers are heralded as the next step in the evolution of data processing. The future of this technology promises us a tool that can outperform any conventional system, handling more data and at faster speeds than even the most powerful of today's supercomputers.

However, at the present juncture, much of the science dedicated to this

field is still focused on the technology's ultimate utilization. We know that quantum computers could manage data at a rate that is remarkable, but exactly what kind of data processing will they be good for?

This uncertainty raises some interesting questions about the potential impact of such a theoretically powerful tool.

Last month, some of the leading names in quantum technologies gathered at the semi-annual International Conference on Quantum Technologies in Moscow. Futurism was in attendance and was able to sit and talk with some of these scientists about how their work is moving us closer to practical quantum computers, and what impact such developments will have on society.

One of the most interesting topics of discussion was initiated by Alexander Lvovsky, Quantum Optics group leader at the Russian Quantum Center and Professor of Physics at the University of Calgary in Canada. Speaking at a dinner engagement, Lvovsky stated that quantum computers are a tool of destruction, not creation.

What is it about quantum computers that would incite such a claim? In the end, it comes down to one thing, which happens to be one of the most talked about potential applications for the technology: [Breaking modern cryptography](#).

## **With Great Power...**

Today, all sensitive digital information sent over the internet is encrypted in order to protect the privacy of the parties involved. Already, we have seen instances where hackers were able to seize this information by breaking the encryption. According to Lvovsky, the advent of the quantum computer will only make that process easier and faster.

In fact, he asserts that no encryption existing today would be able to hide from the processing power of a functioning quantum computer. Medical records, financial information, even the secrets of governments and military organizations would be free for the taking—meaning that the entire world order could be threatened by this technology.

The consensus between other experts is, essentially, that Lvovsky isn't wrong. "In a sense, he's right," Wenjamin Rosenfeld, a physics professor at the Ludwig Maximilian University of Munich, stated in an interview. He continued, "taking a quantum computer as a computer, there's basically not much you can do with this at the moment;" however, he went on to explain that this may soon be changing.

To break this down, there are only two quantum algorithms at the moment, one to allow a quantum computer to search a database, and the other, [Shor's algorithm](#), which can be used by a quantum computer to break encryption.

Notably, during the conference, [Mikhail Lukin](#), a co-founder of the [Russian Quantum Center](#) and head of the Lukin Group of the Quantum Optics Laboratory at Harvard University, announced that he had successfully built and tested a 51-qubit quantum computer...and he's going to use that computer to launch Shor's algorithm.

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