

ANALYSIS

Quantum computing is coming – Is the financial sector ready?

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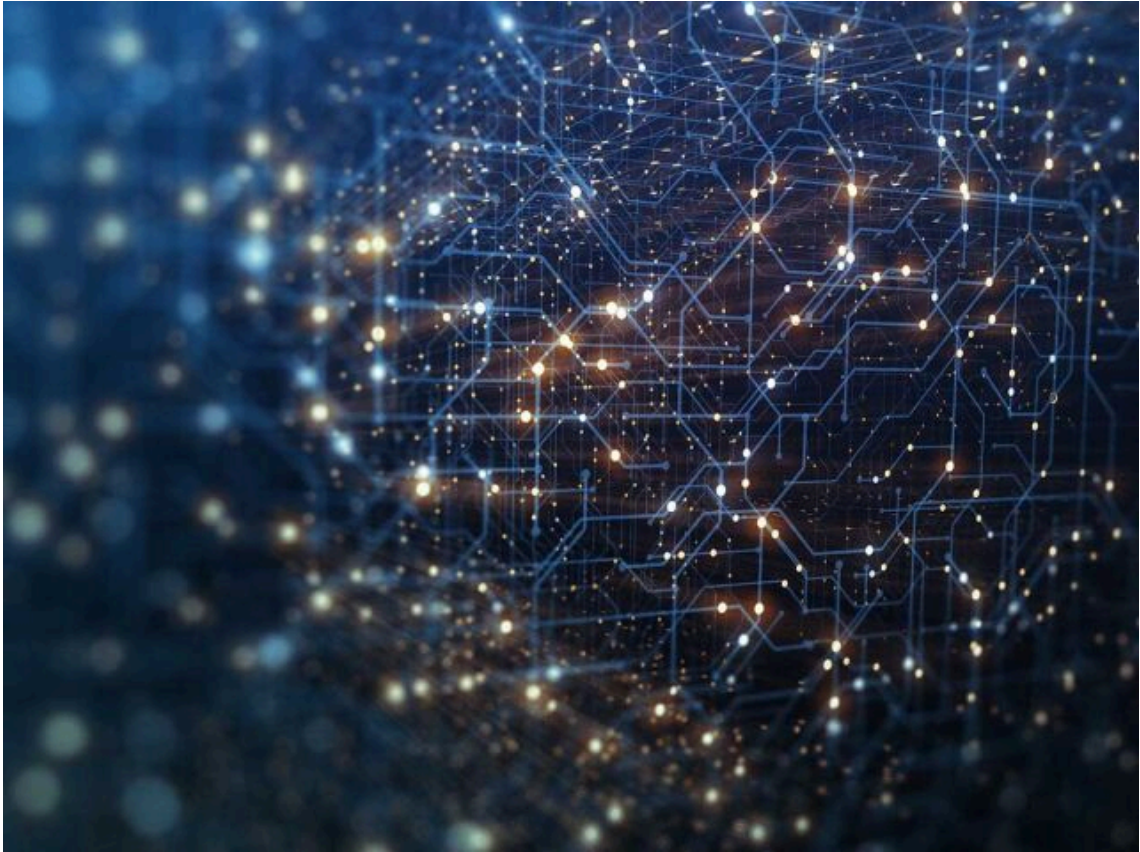


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In early 2025, the Bank of Finland conducted a survey on the prospects, benefits and risks of quantum technology in the financial sector. Based on the survey responses, quantum technology has the potential to reshape business activities significantly in the long term. Only a few tests and practical trials have been conducted so far, however, as the technology is immature. As the opportunities of quantum technology, respondents cited the improvement of risk management and information security and the development of investment activities. Information security was also highlighted among the risks, however.



The opinions expressed in this article are those of the authors and do not necessarily represent the views of the Bank of Finland.

Key words

financial sector, quantum computing, quantum technology