

# At the intersection between quantum networking and quantum computing

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Quantum computing will deliver a huge leap forward in computation and the ability to solve classes of complex problems beyond the reach of even the most powerful digital super-computers. However, at the moment there is a limit to how big a single quantum computer can scale, and this is exacerbated by the need for error correction. Analogous to the high-speed busses and networking needed for classical computing, high-performance photonic interconnections between QC nodes will be required to unlock the power of quantum computers in the medium-term, and are a comparatively unexplored yet key feature of the majority of industrial QC roadmaps.