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## Scaling quantum computing with a light-matter hybrid architecture

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## **Abstract**

In the talk I will present a novel quantum computing approach that harness a mixture of light and matter based qubits, to optimise on the bottleneck and roadblocks associated to fully-light or matter approaches. With quantum computers scalability associated to the ability to network remote qubits at high speed, the presented architecture provides a vialble path with strong optimization of resources.