



## QuPIC

Quantum photonics for anyone



Engineering and Physical Sciences Research Council

EP/N015126/1

Supporters and partners:













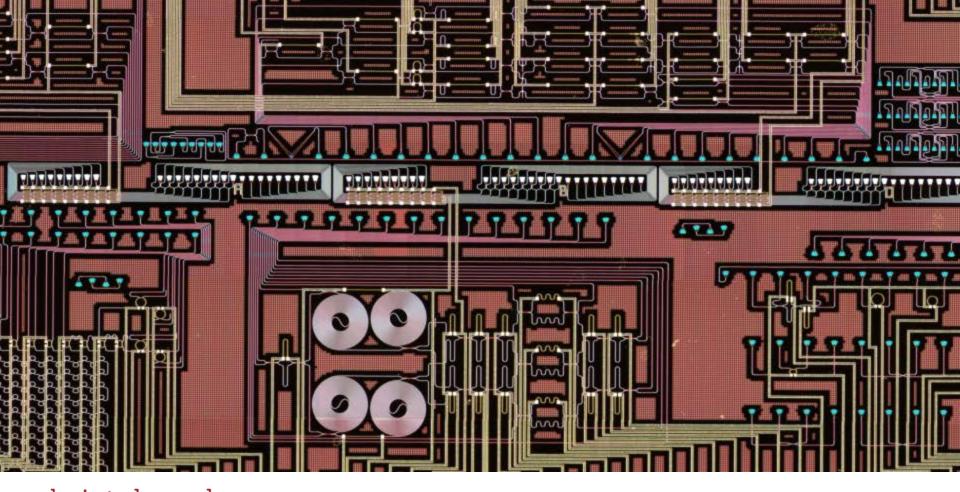












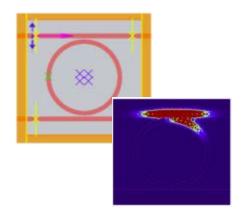
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## What is different with quantum optics?

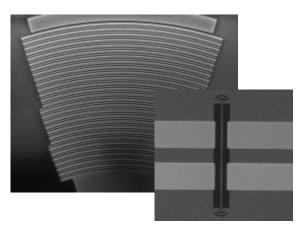
- Low loss waveguides
- Low loss bends
- Low loss interfaces to optical fibre (grating couplers)
- Low power tuning (phase shifters, thermooptic phase shifter designs)



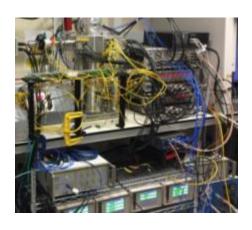
- QuPIC has 100+ person-years' experience in quantum photonics design *PG inspired*
- Rapid prototyping development capability through local cleanroom service
- Will offer a service for quantum photonics and access to proven foundry PDK
- Characterisation and test (including in cryogenic environments)



Design



Prototype & Manufacture

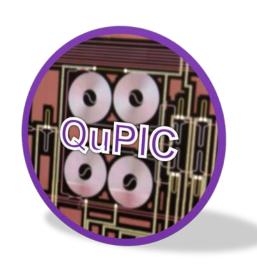


Test

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## QuPIC vision

Services
Technical consultancy
Design service
Prototype mfg
Small volume mfg
Test and meas'



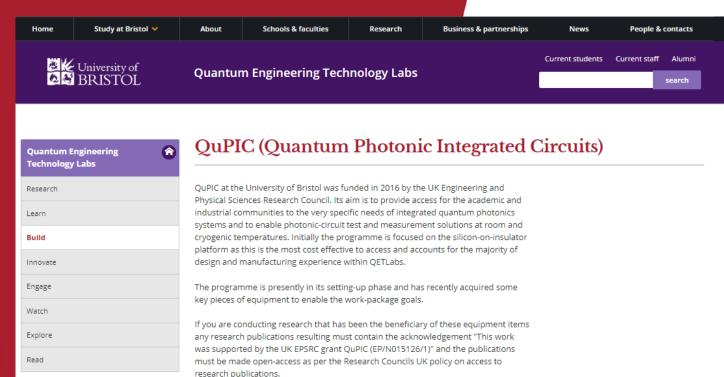
Users
Quantum Hubs
UK Universities
UK Industry
IUK Catapults
International
partners

Approaches
In house prototyping
Brokering of qualified MPW
Rent-to-test

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## https://www.bristol.ac.uk/qet-labs/build/



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