

Atos Interest in Quantum Engineering

2017

Atos R&D Activities in Quantum Engineering

- ▶ Our core business at Bull:



Supercomputers

Atos R&D Activities in Quantum Engineering

- ▶ Our main interest in Quantum Engineering: next generation of quantum-powered supercomputers
- ▶ Our own R&D activities:
 - Quantum Software
 - Developing complete quantum programming platform
 - HPC-powered classical quantum simulation
 - Quantum Hardware
 - Qualifying qubit technologies for software purposes
 - Partnering with best European labs on each qubit technology
 - Investigating next-generation hybrid system architectures

Areas of Interest for Doctoral Collaborations

- ▶ Quantum computing hardware : modelling and experimenting of physical implementations of algorithms of interest (machine learning, HPC)
- ▶ Error correction & error tolerant computing capacity of qubit technologies
- ▶ Distributed quantum computing
- ▶ Applications of quantum simulation to numerical optimizations
- ▶ ... supporting any other topic with valuable adherence to our objectives

Thanks

For more information please contact:

Cyril.Allouche@atos.net

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