

RobustSuperQ – Job offer

Junior research leader

In robust high impedance superconducting qubits

Job description

You will be in charge of the experimental demonstration of a new generation of high impedance superconducting qubits focusing on designs intrinsically robust to noise.

This includes but is not limited to:

- Geometries combining several fluxonium qubits to gain collective protection.
- Multimode high impedance qubits hosting highly delocalized states with disjoint wavefunctions.
- High impedance qubits where protected states are dynamically generated using periodic drives.

You will be working in collaboration with the consortium of RobustSuperQ. You will benefit from a state-of-the-art clean room and a dedicated dilution refrigerator. Substantial funding will be made available to carry out the project, including the hiring of students and postdocs.

In the Quantum Electronic Circuits Alps team at Institut Néel, Grenoble
[QUANTECA](#)

Starting date:

Fall 2022/Early 2023

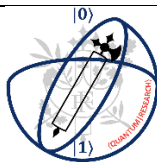
Job requirements

The candidate must have at least 2 years of experience after their PhD and have realized experiments on high impedance superconducting circuits or related systems in the recent past.

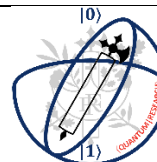
How to apply

Please send your application to nicolas.roch@neel.cnrs.fr

Required documents: CV, recommendation contact, research statement (1 page)



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<https://www.robustsuperq.fr>