

RobustSuperQ – Job offer

Junior Research Leader

In Experimental Quantum Computing

Job description

You will work on quantum computing with hybrid quantum devices where electron and nuclear spins are coupled to superconducting resonators and qubits. More precisely, you will develop a novel quantum computing architecture where qubits are encoded in the state of individual nuclear spins, and are detected through their hyperfine coupling to paramagnetic rare-earth-ions inserted in a crystal, which are addressed via superconducting microwave resonators and microwave photon counters.

You will be working in collaboration with the consortium of RobustSuperQ and have access to its fabrication facilities. A dedicated dilution refrigerator and substantial funding will be made available to realize the project.

At Quantronics Group, SPEC, CEA Saclay, 91191 Gif-sur-Yvette, France

<https://iramis.cea.fr/spec/Pres/Quantro/static/index.html>

Starting date : early 2023

Apply before : 1/11/22

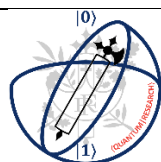
Job requirements

The candidate must have expertise in quantum physics at low temperatures, a PhD, and a good track record

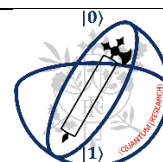
How to apply

Please send your application to patrice.bertet@cea.fr

Required documents: *CV, publication list, research statement, recommendation letters*



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<https://www.robustsuperq.fr>