

Post-doc position in quantum computing and quantum information at Paris-Saclay

A one-year INRIA postdoc position in the field of quantum computing and quantum information is available within the INRIA EPC Team QuaCS (Quantum Computation Structures) that is currently under creation. The team is hosted at the LMF (Laboratoire Méthodes Formelles) of Université de Paris-Saclay, a lab which comes from the merger of LSV [1] and part of LRI [2].

It has permanent members:

- * Pablo Arrighi >>
- * Benoît Valiron >> [3]
- * Renaud Vilmart >> [4]

Our research themes include:

- * Models of quantum computing (quantum causal graphs dynamics, quantum cellular automata, ZX-calculus...)
- * Quantum programming (logics, constructs, compilation, optimization & verification...)

We encourage applications from all aspects of the field of Quantum Computing and Quantum Information, including Foundations, whether they come from a CS, Mathematics, or Theoretical Physics background. (We do not do experimental Physics nor substrate-specific theoretical research, however.)

The postdoc is funded by INRIA's challenge project EQIP, whose description can be found here [5]. The secured funding is for one year, so far, but this could evolve, for instance thanks to the French National Quantum Plan.

To apply, just send a CV, a list of publications, and a little paragraph explaining how you would interact with the group, to pablo.arrighi@universite-paris-saclay.fr [6]

>>>> Some more details are available here [7]. <<<<<

[1] <http://www.lsv.fr/>

[2] <https://www.lri.fr/>

[3] <https://www.monoidal.net/>

[4] <https://rvilmart.github.io/>

[5] <https://project.inria.fr/eqip/>

[6] <mailto:pablo.arrighi@universite-paris-saclay.fr>

[7] <https://jobs.inria.fr/public/classic/fr/offres/2021-03473>