

Postdoc positions in quantum computing for combinatorial optimisation

Two postdoc positions of 2-3 years.

Starting date (flexible) : beginning to middle 2027

Location : ENSTA Paris, Institut Polytechnique de Paris, Palaiseau, France

Questions : Andrea Simonetto, andrea.simonetto@ensta.fr

Two postdoc positions (2-3 years) are available as beginning of 2027 at ENSTA Paris, Institut Polytechnique de Paris. The general area of research is quantum algorithms applied to combinatorial optimization and machine learning with a feedback control component.

Young researchers with EU nationality and a PhD obtained less than 2 years ago are encouraged to apply.

We will be looking for candidates with a strong background in quantum algorithms, combinatorial optimization, and control theory.

Our stepping stones will be the papers:

<https://arxiv.org/abs/2505.05981>

<https://arxiv.org/abs/2509.15138>

<https://arxiv.org/abs/2602.14986>

<https://arxiv.org/pdf/2103.08619>

If you are interested and have the necessary background to understand the above papers, you have the right profile to apply.

The postdocs will join a team of two professors and two PhD candidates working on complementary domains centered around quantum algorithms. The positions will be in the context of two highly interdisciplinary projects, among which an European Quanterra project, featuring several researchers across Europe.

Please contact : andrea.simonetto@ensta.fr to know more and apply.