



Offer #2024-07855

PhD Position F/M PhD position in Quantum Information Theory

Contract type : Fixed-term contract

Level of qualifications required : Graduate degree or equivalent

Fonction : PhD Position

About the research centre or Inria department

The Inria Saclay-Île-de-France Research Centre was established in 2008. It has developed as part of the Saclay site in partnership with **Paris-Saclay University** and with the **Institut Polytechnique de Paris**.

The centre has [40 project teams](#), 32 of which operate jointly with Paris-Saclay University and the Institut Polytechnique de Paris; Its activities occupy over 600 people, scientists and research and innovation support staff, including 44 different nationalities.

Assignment

The PhD will be in quantum information theory.

Main activities

The PhD candidat will look for new witnesses of nonclassicality of quantum systems, based on experimentally measurable quantities. In particular, the project will consider phonon/photon systems.

Skills

The applicant should hold a master degree in computer science, physics, mathematics, or a related field.

Benefits package

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

Remuneration

1st and 2nd year : 2082€ gross/month

General Information

- **Town/city** : Palaiseau
- **Inria Center** : [Centre Inria de Saclay](#)
- **Starting date** : 2024-10-01
- **Duration of contract** : 3 years
- **Deadline to apply** : 2024-07-19

Contacts

- **Inria Team** : AT-SAC AE
- **PhD Supervisor** :
Renou Marc-olivier / marc-olivier.renou@inria.fr

About Inria

Inria is the French national research institute dedicated to digital science and technology. It employs 2,600 people. Its 200 agile project teams, generally run jointly with academic partners, include more than 3,500 scientists and engineers working to meet the challenges of digital technology, often at the interface with other disciplines. The Institute also employs numerous talents in over forty different professions. 900 research support staff contribute to the preparation and development of scientific and entrepreneurial projects that have a worldwide impact.

Warning : you must enter your e-mail address in order to save your application to Inria. Applications must be submitted online on the Inria website. Processing of applications sent from other channels is not guaranteed.

Instruction to apply

This position is likely to be assigned to a zone à régime restrictif (ZRR), as defined in decree in decree n°2011-1425 on the protection protection of the nation's scientific technical potential (PPST). Authorization to access a zone is issued by the head of the after a favorable ministerial opinion, as as defined in the decree of July 03 July 2012, relating to the PPST. An unfavorable ministerial for a position assigned to a ZRR would result in the cancellation of the recruitment.

Recruitment policy : As part of our diversity policy, all Inria positions positions are open to people with disabilities.disabilities.

Defence Security :

This position is likely to be situated in a restricted area (ZRR), as defined in Decree No. 2011-1425 relating to the protection of national scientific and technical potential (PPST).Authorisation to enter an area is granted by the director of the unit, following a favourable Ministerial decision, as defined in the decree of 3 July 2012 relating to the PPST. An unfavourable Ministerial decision in respect of a position situated in a ZRR would result in the cancellation of the appointment.

Recruitment Policy :

As part of its diversity policy, all Inria positions are accessible to people with disabilities.