



Offer #2024-07744

Post-Doctoral Research Visit F/M Post-doc position in Games for verification

Contract type : Fixed-term contract

Level of qualifications required : PhD or equivalent

Fonction : Post-Doctoral Research Visit

About the research centre or Inria department

The Inria Centre at Rennes University is one of Inria's nine centres and has more than thirty research teams. The Inria Centre is a major and recognized player in the field of digital sciences. It is at the heart of a rich R&D and innovation ecosystem: highly innovative PMEs, large industrial groups, competitiveness clusters, research and higher education players, laboratories of excellence, technological research institute, etc.

Context

The research group DEVINE belongs to a joint research center of Inria, CNRS, and Université de Rennes.

Assignment

We are looking to hire a post-doc for 14 months in the area of formal methods at Inria, Université de Rennes.

The research project which the candidate will join is the following: resolution of parameterized games using antichains.

The recruited person will be in connection with the members of the ANR Bisous project <https://anr-bisous.ls2n.fr/>. A collaboration with Patricia Bouyer-Decitre is foreseen.

A detailed description of the topic is available at:
<https://people.rennes.inria.fr/Nathalie.Bertrand/antichains.pdf>

Main activities

The recruited person is responsible for formalising an antichain framework for parameterized games, and for developing and implementing resolution algorithms for these games based on antichains.

Benefits package

- Subsidized meals
- Partial reimbursement of public transport costs
- Possibility of teleworking (90 days per year) and flexible organization of working hours
- Partial payment of insurance costs

Remuneration

Monthly gross salary amounting to 2788 euros.

General Information

- **Theme/Domain** : Proofs and Verification
Software engineering (BAP E)
- **Town/city** : Rennes
- **Inria Center** : [Centre Inria de l'Université de Rennes](#)
- **Starting date** : 2024-10-01
- **Duration of contract** : 1 year, 2 months
- **Deadline to apply** : 2024-07-23

Contacts

- Inria Team : [DEVINE](#)
- Recruiter :
Bertrand Nathalie / nathalie.bertrand@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

Please submit online : your resume, cover letter and letters of recommendation eventually

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.