



Offer #2024-07541

Post-Doctoral Research Visit F/M [Campagne Post-Doc BMI-NF-GRA-2024] Numerical schemes for Sensitivity Analysis of Hypocoercive Systems.

Contract type : Fixed-term contract

Level of qualifications required : Graduate degree or equivalent

Other valued qualifications : PhD thesis

Fonction : Post-Doctoral Research Visit

About the research centre or Inria department

The Centre Inria de l'Université de Grenoble groups together almost 600 people in 22 research teams and 7 research support departments.

Staff is present on three campuses in Grenoble, in close collaboration with other research and higher education institutions (Université Grenoble Alpes, CNRS, CEA, INRAE, ...), but also with key economic players in the area.

The Centre Inria de l'Université Grenoble Alpe is active in the fields of high-performance computing, verification and embedded systems, modeling of the environment at multiple levels, and data science and artificial intelligence. The center is a top-level scientific institute with an extensive network of international collaborations in Europe and the rest of the world.

Context

The postdoctoral position will start in September 2024 at Université Grenoble Alpes within Inria project-team AIRSEA located in Grenoble (France). This work is part of the activities of the french thematic network on uncertainty quantification. The candidate will benefit from the scientific environment of Jean Kuntzmann Laboratory. She/he will also benefit from GRICAD supercomputing infrastructure.

1 <https://team.inria.fr/airsea/>

2 <https://uq.math.cnrs.fr/>

3 <https://www-ljk.imag.fr/>

4 <https://gricad.univ-grenoble-alpes.fr/>

Assignment

See offer description here

https://membres-ljk.imag.fr/Clementine.Prieur/news/offres/PostdocInria2024/INRIA_hypo_2024.pdf

Main activities

The main activity will be to conduct the research project described in the offer, to implement numerically the methods which will be developed and to valorize the work with publications and oral presentations in conferences.

Skills

This postdoctoral project is at the crossroad between numerical analysis, probability, statistics and machine learning. Candidates must have good knowledge for at least one of these domains and the motivation to quickly acquire the missing complementary skills. This researchwork will involve both theoretical developments and practical implementations. Candidates should have demonstrable experience and skill in some of the following topics : scientific creativity, autonomy, writing abilities, oral communication skills (English and/or French), and taste for teamwork.

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 (after 6 months of employment) 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

2 788 euros gross salary /month

General Information

- **Theme/Domain** : Numerical schemes and simulations
Scientific computing (BAP E)
- **Town/city** : Montbonnot
- **Inria Center** : [Centre Inria de l'Université Grenoble Alpes](#)
- **Starting date** : 2024-10-01
- **Duration of contract** : 12 months
- **Deadline to apply** : 2024-04-30

Contacts

- **Inria Team** : [AIRSEA](#)
- **Recruiter** :
Priour Clementine / clementine.priour@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

Applications must be submitted online via the Inria website.

Applications must include a CV, motivation letter, recommendation letter(s), if available evaluation reports about the PhD manuscript and the defense (in case the PhD thesis has not yet been defended: expected date of defense and elements to confirm it, e.g. letter from the advisor), list of publications including the best publication.

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.