Main activities:

- Scientific research (definition of models, algorithms etc.; proofs)
- Implementation of prototype tools for evaluation of the proposed techniques
- Written presentation of the obtained results through papers and reports
- Oral presentation of the obtained results at scientific conferences
- Participation in the supervision of students at all levels

Additional activities:

- Strengthening of one's scientific network and definition of a career strategy

References


General Information

- **Theme/Domain**: Distributed Systems and middleware
- **Software engineering (BAP E)**
- **Town/city**: Villeurbanne d'Ascq
- **Inria Center**: CRI Lille - Nord Europe
- **Starting date**: 2018-10-01
- **Duration of contract**: 1 year, 6 months
- **Deadline to apply**: 2018-07-31

Contacts

- **Inria Team**: SPIRALS
- **Recruiter**: Blyuduz Simon / simon.blyuduz@inria.fr

About Inria

Inria, the French National Institute for computer science and applied mathematics, promotes “scientific excellence for technology transfer and society”. Graduates from the world’s top universities, Inria’s 2,700 employees rise to the challenges of digital sciences. With its open, agile model, Inria is able to explore original approaches with its partners in industry and academia and provide an efficient response to the multidisciplinary and application challenges of the digital transformation. Inria is the source of many innovations that add value and create jobs.

Conditions for application

Be aware that you can apply for this job even if you still don’t know the date of your thesis examination.

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.

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.
Skills
- Participation in the development of a user community
- Participation in other activities to promote the team's research to broader audiences
- Formal methods (in particular semantic models, e.g. finite automata, Labelled Transition Systems and Petri Nets; behavioural equivalences, e.g. trace equivalence and bisimilarity)
- Verification (in particular temporal logics, e.g. LTL and CTL; tools, e.g. nuXmv, mCRL2)
- Knowledge of coordination languages, such as BIP, is a plus
- Proven experience in preparation of scientific documents (including mastery of LaTeX)
- Proven experience in software development (Java, Python)
- Excellent communication skills

Benefits package
- Subsidised catering service
- Partially-reimbursed public transport

Remuneration
Around 31 000 € yearly brutto.