2018-01135 - [INDES] Formal semantics of a multitier language

Contract type: Public service fixed-term contract
Level of qualifications required: A levels or equivalent
Other valued qualifications: Un diplôme de master est obligatoire
Function: Internship Research
Level of experience: Recently graduated

About the research centre or Inria department
The Inria Sophia Antipolis - Méditerranée center counts 37 research teams and 9 support departments. The center's staff (about 600 people including 400 Inria employees) is composed of scientists of different nationalities (250 foreigners of 50 nationalities), engineers, technicians and administrators. 1/3 of the staff are civil servants, the others are contractual. The majority of the research teams at the center are located in Sophia Antipolis and Nice in the Alpes-Maritimes. Six teams are based in Montpellier and a team is hosted by the computer science department of the University of Bologna in Italy. The Center is a member of the University and Institution Community (ComUE) “Université Côte d’Azur (UCA)”.

Context
L’objectif est de développer une sémantique operationelle en Coq du language multitier Hop.js.

Des déplacements réguliers sont prévus pour ce poste ? Non

Assignment
Missions :
Avec l’aide de Tamara Rezk et Alan Schmitt, la personne recrutée sera amenée à formaliser en Coq la sémantique formelle du language Coq.

Pour une meilleure connaissance du sujet de recherche proposé :
Un état de l’art et la apprendissage du logiciel Coq.

Collaboration :
La personne recrutée sera en lien avec Alan Schmitt et Manuel Serrano, l’auteur du language Hop.js.

Main activities
Principales activités :
- apprendissage du Coq
- état de l’art en sémantique multitier
- développement Coq

Skills
Compétences techniques et niveau requis : connaissances en sémantique formelles
Langues : anglais
Compétences relationnelles : travail en équipe
Compétences additionnelles appréciées : Coq

Benefits package
- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Paid leave
- Flexible working hours
- Sports facilities

Remuneration
Gross salary of 1982€ per month

General Information
- Theme/Domain: Distributed programming and Software engineering
- Town/city: Sophia Antipolis
- Inria Center: CRI Sophia Antipolis - Méditerranée
- Starting date: 2019-01-01
- Duration of contract: 6 months
- Deadline to apply: 2018-11-30

Contacts
- Inria Team: INDES
- Recruiter: Rezk Tamara / tamara.rezk@inria.fr

About Inria
Inria, the French national research institute for the digital sciences, promotes scientific excellence and technology transfer to maximise its impact. It employs 2,400 people. Its 200 agile project teams, generally with academic partners, involve more than 3,000 scientists in meeting the challenges of computer science and mathematics, often at the interface of other disciplines. Inria works with many companies and has assisted in the creation of over 160 startups. It strives to meet the challenges of the digital transformation of science, society and the economy.

Conditions for application
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). Authorization 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.