



Offre n°2019-01630

R&D technical project manager / Temporary scientific engineer / Software engineering / Robotics and Smart environments / PhD, Graduate degree

Le descriptif de l'offre ci-dessous est en Anglais

Contrat renouvelable : Oui

Niveau de diplôme exigé : Bac + 5 ou équivalent

Autre diplôme apprécié : PhD

Fonction : Ingénieur scientifique contractuel

Niveau d'expérience souhaité : De 5 à 12 ans

A propos du centre ou de la direction fonctionnelle

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.

The **Rainbow team** is a joint Inria/IRISA Project-Team in partnership with CNRS, Université de Rennes 1, and Insa of Rennes.

The long-term vision of the **Rainbow team** is to develop the next generation of **sensor-based robots** able to navigate and/or interact in complex unstructured environments **together with human users**.

Contexte et atouts du poste

This Project Manager Position is framed under the **EU H2020 ICT 25 CROWDBOT** project. CROWDBOT aims to enable robots to navigate in a dense crowd: to develop the capabilities on board the robot to perceive and analyze a moving crowd, as well as the robots' reasoning and decision-making skills to enable them to control their navigation in this very complex environment.

Safety and ethical issues are at the heart of the CROWDBOT project. Thus the project also explores the means of testing, validating and evaluating robotic navigation techniques adapted to crowds.

The project consortium brings together 7 international partners, academic or industrial, from different countries, such as ETHZ and EPFL in Switzerland, UCL in the United Kingdom, RWTH in Germany, SoftBank Robotics in France. The project is coordinated and managed by INRIA in Rennes, France.

The project started on 1 January 2018 and runs until 31 June 2021. CROWDBOT is currently looking for its project manager! This position offers the opportunity to participate in an ambitious and unique research project, in an international context in collaboration with the best partners in Robotics in Europe.

-- ABOUT Inria in RENNES --

The research center Rennes - Bretagne Atlantique, established in 1980, is fully integrated into a rich and powerful regional ecosystem, boosting strong partnerships with the best actors of

research and innovation in Brittany and Pays de Loire. It comprises 3 sites (Rennes, Nantes, Lannion), 730

people, 34 research teams, 6 ERC grant winners, 31 European projects, 9 startups.

This position is available in **Rennes**, which is the capital of Brittany and the tenth largest city in France, with a metropolitan area of about 720,000 inhabitants. Moreover, with more than 66,000 students, Rennes is also the eighth-largest university campus of France and it has the 2nd highest concentration of digital and ITC firms in France after Paris. Rennes is also known to be one of the most festive and lively cities of France, home of several music and culture festivals. In 2018, the newspaper "L'Express" named Rennes as "the most liveable city in France".

Mission confiée

The CROWDBOT project manager is in charge of:

- Orchestrate the technical contributions and deliverables of the project: keep track of the project agenda, deliver contributions in time, keep contact with partners to report on their progress.
- Animate the consortium: organize communication between partners, organize the required meetings, travel on partners' site when required.
- Reporting to the project coordinator: discuss the progress and the development of the project, discuss the required actions and decisions.
- Reporting to the EU commission: organize the yearly reporting to the EU.

Principales activités

Main activities:

- Propose software architecture for orchestrating technical contributions through the consortium
- Write documentation
- Write reports
- Prepare consortium meetings
- Prepare experimental campaigns (2 along the project)

Compétences

Technical skills and level required :

- Programming (+3y exp)
- Project management (+2y exp)

Languages :

- Fluent English absolutely required to animate the consortium

Relational skills :

- Excellent relational skills required to animate the consortium

Avantages

- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Paid leave
- Sports facilities

Rémunération

Monthly gross salary from 2562 euros according to diploma and experience.

Informations générales

- **Thème/Domaine** : Robotique et environnements intelligents
Ingénierie logicielle (BAP E)
- **Ville** : Rennes
- **Centre Inria** : [Centre Inria de l'Université de Rennes](#)
- **Date de prise de fonction souhaitée** : 2019-09-01
- **Durée de contrat** : 1 an, 10 mois
- **Date limite pour postuler** : 2019-07-17

Contacts

- Équipe Inria : [RAINBOW](#)
- Recruteur :
Pettre Julien / julien.pettre@inria.fr

A propos d'Inria

Inria est l'institut national de recherche dédié aux sciences et technologies du numérique. Il emploie 2600 personnes. Ses 215 équipes-projets agiles, en général communes avec des partenaires académiques, impliquent plus de 3900 scientifiques pour relever les défis du numérique, souvent à l'interface d'autres disciplines. L'institut fait appel à de nombreux talents dans plus d'une quarantaine de métiers différents. 900 personnels d'appui à la recherche et à l'innovation contribuent à faire émerger et grandir des projets scientifiques ou entrepreneuriaux qui impactent le monde. Inria travaille avec de nombreuses entreprises et a accompagné la création de plus de 200 start-up. L'institut s'efforce ainsi de répondre aux enjeux de la transformation numérique de la science, de la société et de l'économie.

L'essentiel pour réussir

- Ms or PhD in software engineering or robotics and/or experience in collaborative software development
- Experience in Robotics
- Excellent project management skills
- Excellent communication skills
- Interest in community building
- Previous participation in collaborative R&D projects is highly appreciated
- Expertise in programming development and software architecture

Attention: Les candidatures doivent être déposées en ligne sur le site Inria. Le traitement des candidatures adressées par d'autres canaux n'est pas garanti.

Consignes pour postuler

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

For more information, please contact Julien Pettre : julien.pettre@inria.fr

Sécurité défense :

Ce poste est susceptible d'être affecté dans une zone à régime restrictif (ZRR), telle que définie dans le décret n°2011-1425 relatif à la protection du potentiel scientifique et technique de la nation (PPST). L'autorisation d'accès à une zone est délivrée par le chef d'établissement, après avis ministériel favorable, tel que défini dans l'arrêté du 03 juillet 2012, relatif à la PPST. Un avis ministériel défavorable pour un poste affecté dans une ZRR aurait pour conséquence l'annulation du recrutement.

Politique de recrutement :

Dans le cadre de sa politique diversité, tous les postes Inria sont accessibles aux personnes en situation de handicap.