2018-00995 - PhD Position/ Supervised Robotic Surgery - Application To Needle Insertion

Contract type: Public service fixed-term contract
Level of qualifications required: Graduate degree or equivalent
Function: PhD Position

Assignment
Numerical simulation, Robotic, Domain decomposition

Main activities
Are you interested in Needle insertion simulation for robotic surgery? Our team is looking for a PhD candidate. Please have a look at our website https://sites.google.com/site/hadriencourtecuisse/jobs

Skills
Master degree with major in Computer Science, mechanics or robotics. Experience with numerical simulations. The candidate is expected to have excellent programming skills in C/C++. An experience with GPU programming (cuda) will be appreciated. The work will be developed in the open-source software Sofa http://www.sofa-framework.org/

Benefits package
- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Paid leave

Remuneration
Monthly salary after taxes: around 1596,05€ for 1st and 2nd year. 1678,99€ for 3rd year. (medical insurance included).

General Information
- Theme/Domain: Modeling and Control for Life Sciences
- Scientific computing (BAP E)
- Town/city: Strasbourg
- Inria Center: CR Nancy - Grand Est
- Starting date: 2018-10-01
- Duration of contract: 3 years
- Deadline to apply: 2018-09-27

Contacts
- Inria Team: MIMESIS
- Recruiter: Courtecuisse Hadrien / hadrien.courtecuisse@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
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.