2018-00315 - [GRAPHDECO] Software Engineer

Level of qualifications required: Graduate degree or equivalent
Fonction: Temporary scientific engineer

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)".

Assignment
She / he will be in charge of developing software components for the PicPlay startup. PicPlay technology is an Image-Based Rendering approach building on the research results developed by the REVES & GRAPHDECO Inria research teams. Most relevant papers:

http://www-sop.inria.fr/reves/Basilic/2016/HRDB16/
http://www-sop.inria.fr/reves/Basilic/2015/ODD15/
http://www-sop.inria.fr/reves/Basilic/2013/CDSD13/

The mission involves developing the software basis for a future product, and in particular creating product-level prototypes for application of these technologies to our client’s problems.

Main activities
This mission includes:
- Developing C++ libraries and programs
- Creating Proofs of Concepts, Demonstration application

Skills
Required qualities (essential):
- Motivation for the discussed technology
- Highly Skilled, Autonomous

Required skills:
- **highly desired** - Tools: Visual Studio, cmake, git
- **desired / appreciated** - Unity Engine, C# mono, Unreal Engine, OpenSceneGraph

Required Diploma and experience:
- **Master of Engineering** in Computer Science, specializing in Computer Graphics or Computer Vision.

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

General Information
- Theme/Domain: Interaction and visualization
- Town/city: Sophia Antipolis
- Inria Center: CRI Sophia Antipolis - Méditerranée
- Starting date: 2018-04-01
- Duration of contract: 12 months
- Deadline to apply: 2018-06-06

Contacts
- Inria Team: GRAPHDECO
- Recruiter: Ribiere Guillene / guillene.ribiere@inria.fr

Conditions for application
Application file: Applications must be submitted online on the Inria website. Collecting applications by other channels is not guaranteed.

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.
• Paid leave
• Flexible working hours
• Sports facilities

Remuneration
Gross Salary per month: 2562€