2018-00315 - [GRAPHDECO] Software Engineer

Level of qualifications required: Graduate degree or equivalent
Function: 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
- Paid leave
- Flexible working hours
- Sports facilities

General Information
- **Theme/Domain**: Interaction and visualization
- **Software engineering (BAP E)**
- **Town/city**: Sophia Antipolis
- **Inria Center**: CRI Sophia Antipolis - Méditerranée
- **Starting date**: 4/1/18
- **Duration of contract**: 12 months
- **Deadline to apply**: 6/6/18

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.
Remuneration
Gross Salary per month: 2562€