



Offer #2020-03013

Post-Doctoral Research Visit F/M Neural Methods for Capture and Rendering

Contract type : Fixed-term contract

Renewable contract : Yes

Level of qualifications required : PhD or equivalent

Fonction : Post-Doctoral Research Visit

Level of experience : Up to 3 years

About the research centre or Inria department

The Inria Sophia Antipolis - Méditerranée center counts 34 research teams as well as 7 support departments. The center's staff (about 500 people including 320 Inria employees) is made up of scientists of different nationalities (250 foreigners of 50 nationalities), engineers, technicians and administrative staff. 1/3 of the staff are civil servants, the others are contractual agents. The majority of the center's research teams are located in Sophia Antipolis and Nice in the Alpes-Maritimes. Four teams are based in Montpellier and two teams are hosted in Bologna in Italy and Athens. The Center is a founding member of Université Côte d'Azur and partner of the I-site MUSE supported by the University of Montpellier.

Context

Postdoctoral Fellowship in the context of the ERC FUNGRAPH

Assignment

Main Tasks:

Performing research in the area of computer graphics, related to the topics of the FUNGRAPH Advanced Grant ERC project.

Research Topic:

The topics of this postdoctoral fellowship will cover neural methods for capturing scene properties such as materials and lighting, and how they relate to neural and traditional rendering. We will investigate several aspects of such neural algorithms, including ideas based on recent volumetric methods, uncertainty and generative adversarial solutions.

Collaboration:

The recruited person will collaborate with Ph.D. students and other postdoctoral fellows in the group.

Steering/Management:

The person recruited will supervise Masters students and co-supervise Ph.D. students as appropriate.

Main activities

Main activities involve research and publications in the top venues of the field.

Benefits package

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

Remuneration

Gross Salary: 2653 € per month

General Information

- **Theme/Domain** : Interaction and visualization
Information system (BAP E)
- **Town/city** : Sophia Antipolis
- **Inria Center** : [Centre Inria d'Université Côte d'Azur](#)
- **Starting date** : 2020-12-01
- **Duration of contract** : 1 year
- **Deadline to apply** : 2020-11-14

Contacts

- **Inria Team** : [GRAPHDECO](#)
- **Recruiter** :
Drettakis George / George.Drettakis@inria.fr

About Inria

Inria is the French national research institute dedicated to digital science and technology. It employs 2,600 people. Its 200 agile project teams, generally run jointly with academic partners, include more than 3,500 scientists and engineers working to meet the challenges of digital technology, often at the interface with other disciplines. The Institute also employs numerous talents in over forty different professions. 900 research support staff contribute to the preparation and development of scientific and entrepreneurial projects that have a worldwide impact.

The keys to success

We are searching for a candidate with a Ph.D. in Computer Graphics or Computer Vision (with an interest in image synthesis), with an established track record of top-level publications, preferably related to rendering.

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.

Instruction to apply

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.