2018-00665 - Post Doc on Models and methods for activity analysis in video

**Contract type:** Public service fixed-term contract  
**Level of qualifications required:** PhD or equivalent  
**Function:** Post-Doctoral Research Visit

**Context**

Inria, institut de recherche dédié au numérique, promote l’'excellence scientifique au service du transfert technologique et de la société ». Inria emploie 2700 collaborateurs issus des meilleures universités mondiales, qui relèvent les défis des sciences informatiques et mathématiques. Son modèle ouvert et agile lui permet d’explorer des voies originales avec ses partenaires industriels et académiques. Inria répond ainsi efficacement aux enjeux pluridisciplinaires et applicatifs de la transition numérique. Inria est à l’origine de nombreuses innovations créatrices de valeur et d’emplois.

The successful candidate will join the INRIA/WILLOW team and will advance research on modeling and recognizing human activities in video.

**Assignment**

Construct models and learn representations for video understanding

**Main activities**

The goal of the project is to construct new models and learning techniques to develop and learn new powerful representations for video understanding. Such representations should support and advance the tasks of visual object and action recognition. Specifically, the project will focus on recognizing objects and action in the video surveillance setup. Models for predicting future actions will be studied. This research will aim to prevent violence and will contribute the project DRAAF. The project will build on and will advance current activities in WILLOW on human modeling and action recognition. The project should result in publications at top conferences and journals of the field.

**Benefits package**

- Subsidised catering service  
- Partially-reimbursed public transport

**Remuneration**

**Additional information**

- Targeted hiring date: 01/07/2018  
- Location: Paris 12ème  
- Gross Salary per month: according to experience

**Security and defense procedure:**

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.

**General Information**

- **Theme/Domain:** Robotics and Smart environments  
- **Scientific computing (BAP E)**  
- **Town/city:** Paris  
- **Inria Center:** CRI de Paris  
- **Starting date:** 2018-07-01  
- **Duration of contract:** 1 year, 9 months  
- **Deadline to apply:** 2018-05-31

**Contacts**

- **Inria Team:** WILLOW  
- **Recruiter:** Laptev Ivan / ivan.laptev@inria.fr

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**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.