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« Open Post Doc Position in Computer Vision / Deep Learning » (M/F)

Research field: Spatio-Temporal Facial Analysis based on Computer Vision
Project-team: STARS, Inria Sophia Antipolis

About Inria and the team

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.

Team

The STARS research team combines advanced theory with cutting edge practice focusing on cognitive vision systems.

Team web site
https://team.inria.fr/stars/

Mission

The Post doctoral position is within the framework of the joint INRIA-Chinese Academy of Sciences project FER4HM "Facial expression recognition with application in health monitoring"
- Starts November 2017
- Deadline for applications: November 2017. Nevertheless, the application may be closed before the limit date, if a satisfying candidate is found.

FER4HM aims to investigate computer vision methods for facial expression recognition in patients with Alzheimer's disease. Most importantly though, the work seeks to be part of a paradigm shift in current healthcare, efficiently and cost effectively finding objective measures to (a) assess different therapy treatments, as well to (b) enable automated human computer interaction in remote scale healthcare-frameworks.

Job description

The Inria STARS team is seeking for a postdoctoral researcher with strong background in computer vision. We are especially interested in candidates with significant knowledge and experience in computer vision, deep learning, and machine learning.

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The postdoc is expected to develop new computer vision method, among others for expression recognition for a real-life healthcare setting.

Strong mathematical and machine learning background and excellent programming skills (MATLAB, C++, python, Linux, etc.) are essential.

Skills and profile

Candidates must hold a Ph.D. in Computer Science or a closely related discipline. Candidates must also show evidence of research productivity (e.g. papers, patents, presentations, etc.) at highest level.

The candidate must be grounded in the basics of computer vision, have solid mathematical and programming skills.

The candidate must be committed to scientific research and strong publications.

Advantages

- Inria Sophia Antipolis is ideally located in the heart of the French Riviera, inside the multi-cultural silicon valley of Europe
- Competitive salary (approximately 2653 € brut Euro/month)
- Strong medical and social benefits
- Funding supports joint collaboration and travel to the Chinese Academy of Sciences in Beijing, China

- Restaurant on site
- Financial participation for public transport
- Social and sporting activities
- French courses

Additional Information

- Duration: 16 months with a possible extension
- Targeted hiring date: November 2017
- Location: Inria Sophia Antipolis, France
- Gross Salary per month: 2653€ brut per month

Application

To apply, please email the following documents to Antitza Dantcheva (antitza.dantcheva@inria.fr), indicating "Inria-CAS PostDoc" in the e-mail subject line.

- Cover letter
- CV
- List of publications
- Future plan of research with possible links to the project
- Contact information for at least two references who can provide recommendation letters upon request.

The submission deadline is November, 2017. Nevertheless, the application may be closed before the limit date, if a satisfying candidate is found.

Please do not hesitate to contact us for any inquiry.

Inria's disabilities policy: All positions at the institute are open to disabled people.

<u>Security and defense procedure</u>
In the interests of protecting its scientific and technological assets, Inria is a restricted-access establishment. Consequently, it follows special regulations for welcoming any person who wishes to work with the institute. The final acceptance of each candidate thus depends on applying this security and defense procedure.