



-- Post-doc position - L3i - La Rochelle France

Title: Detection and verification of visual security devices in documents

The L3i laboratory has an open post-doc position in computer science, in the specific field of document image analysis and pattern recognition

Duration: 12 months

Position available from: April 1st, 2019

Salary: approximately 2100 € / month (net)

Place: L3i lab, La Rochelle University, France

Specialty: Computer Science/ Image Processing/ Document Analysis/ Pattern Recognition

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Position Description

The L3i is a research lab of the University of La Rochelle. La Rochelle is a city in the south west of France on the Atlantic coast and is one of the most attractive and dynamic cities in France. The L3i works since several years on document analysis and has developed a well-known expertise in fraud detection.

The work done by the post-doc will take part of a project with a private company. The objective is to develop detection and verification methods of the security visual devices in order to check the authenticity of the documents. For example, some security visual devices consist in adding a hologram. However, many other security devices exist. The particularity will be to use the video stream of a mobile phone as the source of information. Some security devices will be studied to determine the ones that are able to ensure the authenticity of the documents. A specific acquisition protocol may be proposed to improve the robustness of the algorithms. Real-time implementation of the proposed methods will be necessary.

Qualifications

Candidates must have a completed PhD and a research experience in image processing and analysis, video analysis and pattern recognition. Some knowledge and experience in colour image/video processing are also recommended.

General Qualifications

- Good programming skills mastering at least one programming language like Java, Python, C/C++
- Good teamwork skills
- Good writing skills and proficiency in written and spoken English or French

Applications



A motivation letter and CV along-with list of publications should be addressed to:

petra.gomez[at]univ-lr.fr, sylvain.marchand[at]univ-lr.fr, jcburie[at]univ-lr.fr

Copies of a few of the most relevant publications are welcome.