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-- Post-doctoral research position - L3i - La Rochelle France

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**Title :** Emotion detection by semantic analysis of the text in comics speech balloons

The L3i laboratory has one open post-doc position in computer science, in the specific field of natural language processing in the context of digitised documents.

**Duration:** 12 months (an extension of 12 months will be possible)

**Position available from:** As soon as possible, 2021

**Salary:** approximately 2100 € / month (net)

**Place:** L3i lab, University of La Rochelle, France

**Specialty:** Computer Science/ Document Analysis/ Natural Language Processing

**Contact:** Jean-Christophe BURIE (jcburie [at] univ-lr.fr) / Antoine Doucet (antoine.doucet [at] univ-lr.fr)

### 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 ‘Bande dessinée’, manga and comics analysis, indexing and understanding.

The work done by the post-doc will take part in the context of **SAiL** (Sequential Art Image Laboratory) a joint laboratory involving L3i and a private company. The objective is to create innovative tools to index and interact with digitised comics. The work will be done in a team of 10 researchers and engineers.

The team has developed different methods to extract and recognise the text of the speech balloons. The specific task of the recruited researcher will be to use Natural Language Processing strategies to analyse the text in order to identify emotions expressed by a character (reacting to the utterance of another speaking character) or caused by it (talking to another character). The datasets will be collections of comics in French and English.

### Qualifications

Candidates must have a completed PhD and a research experience **in natural language processing**. Some knowledge and experience in deep learning is also recommended.

### General Qualifications

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

### Applications

Candidates should send a CV and a motivation letter to jcburie [at] univ-lr.fr and antoine.doucet [at] univ-lr.fr.