

The Department of language and information sciences of the Faculty of Arts at the University of Lausanne invites applications for a:

Post-doctoral position in the framework of the Evolving Language NCCR

Job information

- Expected start date: September 1st 2021
- Contract length: 20-25 months
- Activity rate: 80-100 %
- Workplace: Lausanne-Dorigny

Your qualifications

- PhD in computer science, data science, computational linguistics, or a related domain.
- Autonomy and motivation to take part in a research project on computer-mediated communication (CMC) in the context of a multilingual and multidisciplinary national network.
- Advanced skills in natural language processing (NLP), machine learning and web application development.
- Fluency in written and spoken English, and knowledge of one or more Swiss national language.
- Previous research experience in the field of CMC and/or sentiment/emotion analysis would be an asset.

Your responsibilities

- Design and development of a web infrastructure for collecting WhatsApp chat donations in Swiss national languages.
- Preprocess collected messages with natural language processing (NLP) methods (formatting, anonymization, language identification, non-verbal cue detection, etc.).
- Annotation of messages in terms of emotions through a combination of citizen science and machine learning.
- Analysis of the data and communication of results in scientific papers and talks.

Contact for further information

For further information, please contact Dr Aris Xanthos: aris.xanthos@unil.ch.

Application deadline

27.07.2021

Your application

Please send your application in PDF format to aris.xanthos@unil.ch, including the following documents:

- Cover letter
- Curriculum Vitae including list of scientific publications
- Copy of university degree certificates

In your cover letter, please outline previous experiences you have in the technical domains relevant for this position (NLP, machine learning and web application development).