

Postdoctoral position: Intelligent user profiling within the French project E-logistics

Keywords

Big data analysis, data mining, machine learning

Context

The post-doc researcher will work on the [E-LOGISTICS](#) project that consists in designing and developing a coherent set of services around data recovery through an ambitious program of research and development. It is based on a large collaborative database of e-logistics flows in France that has already enabled the launch of the e-commerce logistics observatory in September 2015 in partnership with the Fevad (Federation of E-commerce).

Objectives

User behavioral analysis to target user expectations based on available e-logistics data. In more detail, the expected outcome of the research is a developed engine capable of profiling final users of the logistics chains and thus forecasting a future demand for better management and coordination of delivery routes. Topics of interest for the research include machine learning, big data, semantic technologies and data stream processing, among others. The research will be carried out at the Department of Informatics and Control Systems (DIA) at IMT Lille Douai.

Eligibility criteria

The applicant is expected to have a PhD Degree or equivalent in Computer Science or a related field. Moreover, the applicant is expected to have a good background in machine learning, semantic technologies and/or big data. Applicants with an experience in one or more of the above academic fields are encouraged to apply. Furthermore, a good knowledge of written and oral English are required, as well as good programming skills. A high level achievement and experience in multi-disciplinary collaboration are an advantage. Additional skills in classical AI tools (multi-agent, CSP) and knowledge of OR problems (like TSP) will be appreciated.

Benefits of the contract

The work contract should start as soon as possible and should last for 18 months, with competitive working conditions.

How to apply

If you wish to apply for this **work contract**, you are kindly asked to send your (i) motivation letter describing your research interests and goals, (ii) CV, (iii) transcripts and PhD reviews, (iv) certificates, (v) contacts for two references, and (vi) relevant publications in one PDF file at the following e-mails: stephane.lecoeuche@imt-lille-douai.fr, marin.lujak@imt-lille-douai.fr and arnaud.doniec@imt-lille-douai.fr.

About IMT Lille Douai

IMT Lille Douai is created in the fusion between Ecole des Mines de Douai (Engineering School Douai), a French National Graduate School of Engineering (Grandes Ecoles d'Ingénieurs) located in Douai, close to Lille in France and Telecom Lille. It is the part of IMT Institut Mines Telecom and it is the biggest Engineering School on the north of Paris in France.

As a leader in education and training in the digital sector, IMT Lille Douai offers numerous research possibilities to foreign students, who now represent more than 30% of the school's population. It is highly selective and provides an excellent academic and multi-cultural student environment. Its excellence was recognized by Le Figaro that classified Ecole des Mines de Douai as one of the best 15 Engineering Schools in 2015 in France.