PhD/Teaching Assistant Position

HEC Liège Management School
University of Liège, Belgium

We are looking for a PhD candidate, with sound skills in machine (deep) learning. Expertise in related topics, such as Natural Language Processing or Computer Vision will be an advantage.

The topic of the PhD project and research questions to be addressed will be defined together with the candidate based on his/her skills and preferred research directions. Potential topics can be practical and theoretical in nature, such as
- NLP for requirements analysis
- Software engineering in machine (deep) learning
- Deep learning for argumentation mining
- Machine translation, especially for low resource languages
- Multi-lingual chatbots with deep learning
- Ontology learning and question answering (semantic search) from text data.

Qualifications:

We expect the candidate to
- Have prior expertise in machine (deep) learning, applied statistics (e.g. robust methods) or related topics, as mentioned earlier
- Have sound knowledge of software development and programming, especially in Python (scikit-learn)
- Be fluent in English
- Preferably have some past publications (conferences and/or journals)

Opportunities & Collaborations:

Research
The successful candidate will have the opportunity to work with top researchers at the junction of information systems, business analytics and machine (deep) learning, in a varied of applied, industrial projects as well as in theoretical research. Also, there are several PhDs within HEC Liège working on machine learning applied to various domains, such as medicine, marketing and finance.

Furthermore, the candidate will be able to tap in a large network of international researchers, in the EU region and in Asia, particularly in Japan and in Vietnam.
Teaching
The candidate will have the opportunity to actively participate in courses given at the bachelors’ and masters’ levels, covering domains such as

- Information Systems (ERP systems, Business Process Modeling)
- Business Analytics (introductory course to machine learning and statistics applied to business)
- Text Analytics
- Introductory courses in maths
- Operations Research

(Overall, the candidate is expected to devote 40% of the time for teaching and 60% for research)

More information on the teaching and research activities of the group can be found at http://www.quantom.hec.ulg.ac.be/.

Application Information:

Candidates should send their CV (incl. a publication list if any) and a short motivation letter (1 page max.) to Prof. Ashwin Ittoo via email: ashwin.ittoo@uliege.be

Application Deadline: 9th August 2018

Expected Starting Date: Oct. 2018