The Faculty of Technology, research group “Semantic Computing Group”, offers a full-time research position starting as soon as possible (E13 TV-L) (non-permanent position)

Your Tasks

The Semantic Computing Group at Bielefeld University has an open position as “associate researcher” (PhD or postdoc level) in the area of deep semantic natural language processing (NLP). The candidate is expected to contribute to several of the following research lines of the group:

- development of semantic parsing methods for the prediction of semantic representations for natural language sentences
- exploitation of background knowledge in knowledge graphs or other knowledge resources for NLP, in particular star information extraction
- development of learning methods in the areas of Machine Reading and Question Answering
- development of approaches for unsupervised or semi-supervised knowledge acquisition for NLP
- development of methods for grounded NLP (e. g. Visual Question Answering)

Your Profile

We expect

- university degree (Master or Diploma) in a relevant field
- advanced knowledge of machine learning methods, in particular but not limited to deep learning or advanced knowledge of natural language processing methods
- expertise with problems in the area of natural language processing: question answering, machine reading, information extraction
- knowledge in the area of semantics, in particular compositional and/or formal semantics
- strong analytical and conceptual skills
- communicative, organized and efficient style of working
- good English skills (oral and written)

Preferable qualification

- PhD in a relevant field (computer science, computational linguistics etc.)
- Advanced knowledge in the area of compositional semantics (DRT, Lambda-Calculus) as well as syntax-semantics interface

Remuneration

Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) of the WissZeitVG (fixed-term employment), the contract will end after two years. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle, these full-time position may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University is particularly committed to the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees.

Application Procedure

For full consideration, your application should be received via either post or email (a single PDF document sent to cimiano@techfak.uni-bielefeld.de) by the 2nd of May 2019. Please mark your application with the identification code wiss19070. Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure. Further information on Bielefeld University can be found on our homepage at www.uni-bielefeld.de.

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Bielefeld University has received a number of awards for its achievements as an equal-opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in Information Technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the state statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.