



## Open Position

### PhD Student

#### Research Task: Knowledge Graphs

#### Position Description

Analytic Computing is a new team and the nucleus for a new Institute for Artificial Intelligence at Universität Stuttgart, Germany. The new institute is endowed by the Cyber Valley Initiative that funds and joins AI research at Universities of Stuttgart, Tübingen and the Max-Planck-Institute for Intelligent Systems. Our research interests include foundations of knowledge graphs, machine learning, natural language processing, intelligent interactive systems, as well as reflection on Web, AI and society.

We invite applications as an early stage researcher for a full-time position as a

#### PhD student (100% TV-L E 13)

The position is funded by the European Training Network KnowGraphs and is available as of June 1st, 2021. The position is to be filled for a period of initially 2 years (according to WissZeitVG). Your core duties and responsibilities will be to perform research on managing polymorphic knowledge graphs. Moreover, you are expected to participate actively in the training network.

#### Your Profile

M.Sc. degree in computer science or in a related area. A background in Semantic Web technologies or knowledge representation, working knowledge of languages such as RDF, RDFS, SPARQL, OWL and programming skills in languages such as Java and Python are required. Previous knowledge in machine learning is preferable. Excellent communication skills and the ability to work in an international team are indispensable for the position.

#### What We Will Offer

We provide you with a friendly, but challenging interdisciplinary research environment and support your academic career towards accomplishing your Ph.D.

#### Eligibility

At the time of recruitment (i.e. first date of employment), you must not yet have been awarded your doctorate and must be in the first 4 years (full-time equivalent) of your research career. The mobility rules of European training networks require that a candidate for the position has not resided in Germany (work, studies, etc.) for more than 12 months over the last three years. Candidates with longer residence in the country are ineligible. Compulsory national service and/or short stays such as holidays are not taken into account.

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is, in principle, possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

#### Salary

The salary amounts to German TV-L E 13, which starts at approx. 50,000 Euro income per year (before taxation).

#### More Information

Visit our website at <https://www.ipvs.uni-stuttgart.de/departments/ac/> and the website about KnowGraphs at <https://knowgraphs.eu/>. Personal inquiries can be directed to Prof. Staab.

#### Application

Please submit your application in one PDF file including a letter of motivation, a curriculum vitae and scans of your original transcripts and diplomas (or stamped, official translations) until June 12th, 2021, by email with the subject "Application KnowGraphs" to: