



With more than 6,300 employees in research, teaching and administration and its unique profile, TU Dortmund University shapes prospects for the future: The cooperation between engineering and natural sciences as well as social and cultural studies pro-motes both technological innovations and progress in knowledge and methodology. And it is not only the more than 34,500 students who benefit from that.

### Research Assistant Position (PhD) in Learning and Reasoning (Ref.-Nr.: w78-23)

The Chair Computer Science 1 of the Department of Computer Science of TU Dortmund University invites applications for a full-time research assistant position. The position includes the option to prepare a PhD. The initial employment for three years can start as soon as possible. According to the public tariff regulations, the salary is based on the tariff group E13 TV-L.

The position is embedded in the newly established group “Knowledge-Based Systems” led by Prof. Dr. Jean Christoph Jung and offers the opportunity to do research in the intersection of the fields Machine Learning (ML) and Knowledge Representation and Reasoning (KR) with the long-term vision of combining ML and KR methods. Currently, the focus of the group is on learning logical formulas in various settings. Beyond learning, further possible topics include:

- Description Logics and other Ontology Languages and their use in Intelligent Data Management
- Interpolation and generally, Logic in Computer Science

Please see <https://logic-in.cs.tu-dortmund.de/forschung/knowledge-based-systems/publikationen/> for recent publications.

The group is excellently connected, promotes exchange with national and international partners, and supports traveling to international conferences.

#### Your responsibilities:

- conduct research in the group’s focus areas and publish the results in international conferences and journals
- support the group’s teaching efforts (with 4 hours per week) by preparing and delivering tutorials
- assist the group in administrative concerns

#### Your requirements:

- M.Sc. in Computer Science, Mathematics, or similar degree programs
- High degree of creativity, enthusiasm for research, analytic problem-solving skills
- Team-player
- Good command of English language

We explicitly note that applications of all sexes are welcome. Applications from women are favored complying with legal regulation. We also underline that applications of severely disabled persons are welcome.

Applications enclosing curriculum vitae, latest grades and degrees, a motivation letter should be sent until **19.09.2023** under reference number **w78-23** to:

TU Dortmund  
Department of Computer Science  
Chair Computer Science 1  
Otto-Hahn-Str. 12  
44227 Dortmund

For further information, please do not hesitate to contact:  
Prof. Dr. Jean Christoph Jung ([jean.jung@tu-dortmund.de](mailto:jean.jung@tu-dortmund.de))