The Department of Computer Science at TU Dortmund University is offering the following position (starting at the earliest possible date):

Professorship (W1) Computational Geometry and Parameterized (Graph) Algorithms

Our profile

Comprising 17 departments in the natural and engineering sciences as well as the humanities and social sciences, TU Dortmund University is a dynamic university with a strong profile in research, teaching, promotion of young scientists and transfer.

The Department of Computer Science at TU Dortmund University is one of the largest in Germany and has particular strengths in research. Among similar institutions, it is distinguished by a combination of fundamental research on formal methods with the development of practical applications. Research focuses on Algorithmics, Data Science, Cyber-Physical Systems and Software and Service Engineering.

Profile of the professorship

You represent the field of computational geometry and parameterized (graph) algorithms in research and further develop this with (inter)national visibility. In doing so, you participate in national and international research networks and cooperations within and outside TU Dortmund University. You are willing to acquire third-party funds, are committed to promoting early career researchers and participate appropriately in the teaching activities of the department.

The appointment is initially for a period of three years as a temporary civil servant. In the course of the third year, this status will be reviewed and may be extended for a further three years depending on performance. The teaching load is four hours per week in each of the first three years. In the case of a positive review, it will increase to five hours per week in each of the last three years.

Your qualifications

You will have obtained a doctorate with above-average success and already demonstrate initial experience in the dissemination of your research in the field of the professorship, e.g. in the area of computational geometry, through international publications in recognized peer-reviewed venues. Your research portfolio is complemented by the subject area parameterized algorithms, ideally on graphs. Additionally, you will have the potential for teaching excellence. Social and leadership skills and the willingness to participate in academic self-administration will complete your profile. Moreover, the recruitment requirements in Section 36 of the North Rhine-Westphalia Higher Education Act (Gesetz über die Hochschulen des Landes Nordrhein-Westfalen, HG) apply.

Attractive environment

We offer an excellent academic environment and attractive cooperation opportunities with renowned international, national, and regional partners. The metropolitan Ruhr Area with the University Alliance Ruhr (UA Ruhr) guarantees short distances to a diversity of partners from science and industry. With our Dual Career Service, we support your partner in finding professional opportunities in the region, if desired. We will be happy to provide information about housing and living in Dortmund and help you find childcare options. If you are coming to us from abroad, our Welcome Service will support you upon your arrival in Germany.

Diversity welcome

A central goal of TU Dortmund University is to promote diversity and equal opportunities. We strive to significantly increase the percentage of women in research and teaching and therefore welcome applications from female academics. We give preference to severely disabled applicants if their qualifications meet the requirements. We support the compatibility of family and career and promote gender equality in academia and research.

Your application

If you are interested in the position, please submit your application by **26.02.2025** via our application portal.

Details on the application process and the preparation of application documents can be found here:
https://berufung.tu-dortmund.de/en/application

Questions will be answered by the Dean of the Department of Computer Science,
Professor Dr. Jens Teubner,
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jens.teubner@tu-dortmund.de

Further information about the Department of Computer Science can be found at
www.cs.tu-dortmund.en

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