



The Weierstrass Institute for Applied Analysis and Stochastics (WIAS) is an institute of the Forschungsverbund Berlin e.V. (FVB). The FVB comprises seven non-university research institutes in Berlin which are funded by the federal and state governments. The research institutes belong to the Leibniz Association.

WIAS invites applications for a

## **Research Assistant Position (f/m/d)**

(Ref. 25/07)

in the Research Group

### **“Nonlinear Optimization and Inverse Problems”**

(Head: Prof. Dr. D. Hömberg) starting **as soon as possible**.

The project is part of a BMBF project concerning industrial scale data preparation for new quantum computing algorithms. It will rely on statistical structure learning represented by knowledge graphs and efficient low-rank tensor compressions.

**We are looking for:** A completed scientific university degree and a Ph.D. (or equivalent experience) in mathematics or a closely related field is required. Moreover, the candidate should be familiar with statistical/logical knowledge representation, hierarchical tensor formats, their relation to quantum circuits and optimization approaches. A track record of mathematical software development will strengthen the application.

#### **What we offer:**

- WIAS Berlin is a premier research institution known for its strength in mathematical modeling, optimization, dynamical systems, and applied mathematics in general.
- Payment according to the collective agreement for the public service (TVöD Bund) including the usual social benefits (30 vacation days in a 5-day week, company pension plan); subsidy for the company ticket for public transport
- Mobile working
- A certified (Audit berufundfamilie) family-friendly work environment.
- Berlin offers endless opportunities to enjoy life outside work. Neither the job nor living in Berlin requires German language (although WIAS offers free German courses). We highly welcome international applications. Scientifically, Berlin offers a rich landscape with numerous opportunities for research, as well as job prospects in academia and industry.

Please direct scientific queries to PD Dr. M. Eigel ([eigel@wias-berlin.de](mailto:eigel@wias-berlin.de)).

The appointment is initially limited for two years. The salary is according to the German TVöD scale.

The Weierstrass Institute is an equal opportunity employer. We explicitly encourage female researchers to apply for the offered position. Among equally qualified applicants, disabled candidates will be given preference.

Please upload complete application documents including a cover letter, curriculum vitae, a short research statement (max. 2 pages) and photocopies of relevant certificates as soon as possible and **no later than 31.03.2025** via our online [job-application facility](#) using the button “[Apply online](#)”.



**Weierstrass Institute for Applied Analysis  
and Stochastics  
Leibniz Institute in Forschungsverbund Berlin e. V.**



**We look forward to your application!**