

**Are you looking for a new professional challenge?
Then this is the place to be!
Become part of our international team!**



October 11th, 2024

Zuse Institute Berlin (ZIB) is a non-university research institute under public law of the state of Berlin. Within the research group Interactive Optimization and Learning we are offering at the earliest possible date for one year, with the option of prolongation, a

Research Position (m/f/d)
Reference Code: IWA 43/24
Pay Grade 13 TV-L (100 %)

Job description

Our research group develops and implements state-of-the-art algorithms for mathematical optimization and artificial intelligence used in real-world applications. To this end, we collaborate with partners from academia and industry within the BMBF-funded research laboratory MODAL SynLab and beyond. Our flagship solver SCIP is one of the leading mixed-integer nonlinear programming solvers internationally.

In this position, you will be able to continuously advance your own skill set and contribute to our scientific projects in two ways: (i) by developing new mathematical optimization approaches and techniques, and (ii) by implementing state-of-the-art algorithms to improve benchmark performance.

Your profile

- Master and/or PhD degree in mathematics, computer science, or related disciplines
- Strong mathematical skills and an interest in mathematical optimization
- Willingness to learn new concepts, tools and skills as required
- Good programming skills in one common programming language
- Experience with mixed-integer and/or nonlinear programming is beneficial
- C programming experience is beneficial
- Creativity and a high degree of commitment to problem solving

We are offering a friendly working atmosphere with flexible work and meeting times, excellent equipment, and a challenging professional environment

as well as

- comprehensive training in a competent and cooperative team,
- an additional pension scheme (VBL),
- 30 days annual leave, additionally free from work on December 24th and 31st,

- compatibility of work and family through flexible working hours, e.g. (flexitime),
- a salary in accordance with TV-L (Collective Agreement for the Public Service of the Federal States), taking into account the relevant professional experience,
- capital allowance of up to €150 per month, alternatively a discounted BVG (public transport) ticket + difference amount,
- an end-of-year bonus,
- the use of canteens and sports programs of the Freie Universität Berlin (FUB) at reduced rates.

Female applicants are highly encouraged to apply. Since women are underrepresented in information technology, the ZIB is trying to increase the proportion of women in this research area.

Applicants with disabilities will be given preference if equally qualified.

Please send your application, quoting the reference code **IWA 43/24**, including a cover letter containing a cover letter, your CV and the standard supporting documents as **one PDF file** by October 16th, 2024 (date of receipt) to: jobs@zib.de.

For further information about this vacancy, please refer to our website www.zib.de or contact Dr. Ksenia Bestuzheva (bestuzheva@zib.de).

Our private policy statement regarding application data is available at www.zib.de/impressum.

For further job offers please visit our website at <https://www.zib.de/jobadvertisement>.