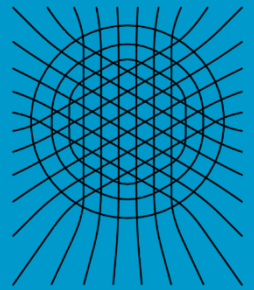


**Are you looking for a new professional challenge?
Then this is the place to be!
Become part of our international team!**



07.05.2020

ZIB

The Zuse Institute Berlin (ZIB) is a non-university research institute under public law of the state of Berlin. Within the research group “Mathematical Optimization Methods”, we are offering at the earliest possible date for the period of 3 years,

**a research position (m/f/d)
(Praedoc) reference code: WA 31/20
pay grade E13 TV-L Berlin (100%)**

Job description

The goal of the BMBF-funded research laboratory MODAL SynLab (see <http://www.zib.de/projects/modal-synlab>) is the development and implementation of mathematical optimization algorithms for general problem classes, predominantly mixed-integer linear and nonlinear programs, and complex combinatorial structures that are motivated by real-world applications. To this end, we collaborate with partners from academia and industry, with the other MODAL labs, and with developers of state-of-the-art mixed-integer programming software. In conjunction with our own development of the SCIP Optimization Suite our group holds a high level of expertise in computational mathematical research and you can benefit from our modern software development environment and our team-oriented approach to research.

Within this framework, we are seeking to hire research assistants that are motivated to work towards a PhD degree at one of the Berlin universities. You will collaborate with your supervisors on solving open scientific and algorithmic questions at the frontier of computational optimization.

Your profile

- Excellent Master’s degree (or equivalent) in mathematics, computer science or related disciplines
- Background in one of the following areas: discrete or continuous optimization, linear and mixed-integer programming, global optimization, numerical linear algebra, machine learning, verifiable computing
- Good programming skills in one major programming language
- Good command of written and spoken English
- 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

- a comprehensive training in a competent and cooperative team,

- additional pension scheme (VBL),
- 30 days annual leave, flexible working hours (flexitime),
- payment in accordance with TV-L (Collective Agreement for the Public Service of the federal states), taking into account the relevant professional experience and annual special payment
- and the discounted use of canteens and the sports program of Freie Universität Berlin.

Due to our involvement in major regional cooperative projects, such as the Einstein Center for Mathematics (ECMath), the DFG Cluster of Excellence MATH+, the Berlin Mathematical School (BMS) or the Berlin Institute for the Foundations of Learning and Data (BIFOLD), we have close ties to universities and research institutes in the region.

Although the position is released full-time, a part-time agreement is also possible.

The candidature of women is encouraged. Since women are underrepresented in information technology, ZIB is trying to increase the proportion of women in this research area.

Persons with disabilities will be given preference when equally qualified.

Please send your application, quoting the reference code **WA 31/20**, including CV in tabular form and all relevant documents and contact details of two references, by **June 02nd, 2020** (date of receipt) to

Zuse Institute Berlin (ZIB)
- Administration -
Takustr. 7
14195 Berlin

or electronically as pdf-form to: jobs@zib.de.

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

For further information about the position, please refer to our website www.zib.de or contact Prof. Dr. Sebastian Pokutta (pokutta@zib.de).

For further job offers please visit our website at www.zib.de/jobads.