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

ZIB
ZUSE INSTITUTE BERLIN

05.08.2021

The Zuse Institute Berlin (ZIB) is a non-university research institute under the public law of the State of Berlin. Within the research group "Interactive Optimization and Learning" of the department "AI in Society, Science, and Technology (AIS^{2}T)" we are offering a

<div align="center">

Research Position – PostDoc (f/m/d)
Reference Code: IWA 44/21
Pay Grade: E14 TV-L Berlin (100%).

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Starting January 1st, 2022, this vacancy offered is a fixed-term contract until December 31st, 2022.

Background

The group is interested in Artificial Intelligence, Optimization, and Machine Learning. Located at the intersection of mathematics and computer science, our aim is to develop new methodologies (e.g., new optimization and learning algorithms), work on combining learning and decision-making, as well as design AI Systems for real-world deployment in various application contexts.

Job description

Research work on discrete-continuous optimization methods and their connection to machine learning.

Requirements

- Excellent PhD degree in mathematics, computer science, or related disciplines
- Strong background in the development and application of tools in convex analysis, fixed-point theory, approximation theory, splitting algorithms, and monotone operator theory
- Knowledge of discrete optimization and computational mixed-integer programming
- Good programming skills, ideally C, C++, or related languages
- Good command of written and spoken English
- Applicants are expected to be highly motivated, self-reliant, and team-oriented

We expect excellent communication and a high level of independence and commitment, as well as the competence and willingness to write scientific publications on an international level.

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, flexible working hours (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,
- an end-of-year bonus,
- discounted BVG (public transport) ticket as part of the capital city allowance
- and 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 44/21**, including a cover letter, a CV and further documents in pdf-format by **August 12th, 2021** (date of receipt) to: jobs@zib.de.

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

For further information about this vacancy, 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.