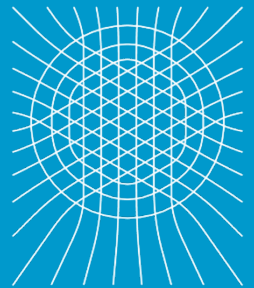


**Are you looking for a new professional challenge?  
Then this is the place to be!  
Become part of our international team!**



30.04.2020

**ZIB**

The Zuse Institute Berlin (ZIB) is a non-university research institute under the public law of the state of Berlin. Within the Mathematical Optimization and Scientific Information, the department of Mathematical Optimization, the research group Energy Network Optimization is offered from 1st of September 2020 until December 31st, 2021.

**a research position (m/f/d)  
reference code: IWA 29/20  
pay grade E14 TV-L Berlin (100%)**

Within a research project, the successful candidate will develop and analyze methods for forecasting gas flows in gas transmission systems.

#### **Your tasks**

- Complex data analysis including descriptive analytics (data mining, statistical analysis)
- Develop and implement high-quality forecast models (predictive analytics)
- Conduct comparative research on forecasting methods for gas flows
- Validate the models based on realistic industry data

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

#### **Your profile**

- Excellent Ph.D. in mathematics, computer science, or related disciplines
- A strong background in applied mathematics and data analysis
- Experience in forecasting high-dimensional time series in energy networks, preferably in the natural gas domain
- Good programming skills in at least one language and proficient knowledge of state-of-the-art statistical tools packages (e.g., matlab, R)

**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.

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 **IWA 29/20**, including CV in tabular form and all relevant documents, by **May 7th, 2020** (date of receipt) to

**Zuse Institute Berlin (ZIB)**

**- Administration -**

**Takustr. 7**

**14195 Berlin**

or electronically as pdf-form to: [jobs@zib.de](mailto:jobs@zib.de).

Our private policy statement regarding application data is available at [www.zib.de/impressum](http://www.zib.de/impressum).

For further information about the position, please refer to our website [www.zib.de](http://www.zib.de) or contact Dr. Janina Zittel ([zittel@zib.de](mailto:zittel@zib.de)).

For further job offers please visit our website at [www.zib.de](http://www.zib.de).