

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



**ZIB**

January 21, 2021

The Zuse Institute Berlin (ZIB) is a non-university research institute under the public law of the State of Berlin. Within the division “Mathematical Algorithmic Intelligence” and the department “Applied Algorithmic Intelligence Methods”, the research group “Multi Energy Systems” is offering a

**Research position (m/f/d)**  
**Reference code: IWA 05/21**  
**Pay grade: E14 TV-L Berlin (100%).**

This vacancy can be filled at the earliest possible date and is a fixed-term contract until April 30, 2022.

Within the EnergyLab of the Research Campus MODAL, the successful candidate will develop and analyze methods for the simulation of the integration of hydrogen in natural gas transport networks and storage facilities.

#### **Your tasks**

- Analyzing the feasibility of the integration of hydrogen in natural gas transport networks and storage facilities
- Simulating the transition of gas storage to hydrogen in porous media, based on the permeability/porosity

#### **Your profile**

- Excellent Ph.D. in mathematics, computer science, or related disciplines
- Strong background in applied mathematics and data analysis
- Experience in simulation of fluids and gases
- Good programming skills in at least one language

We expect reliable 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.

**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) company ticket
- and the use of canteens and sports programs of the Freie Universität Berlin 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 05/21**, including cover letter containing a statement of your research interests, CV with a list of publications, academic transcripts and contact details of two references by **January 28, 2021** (date of receipt) to

**Zuse Institute Berlin (ZIB)**

**- Administration -**

**Takustr. 7**

**14195 Berlin**

or by email in pdf format 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 on this vacancy, 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).