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

October 24, 2024

Zuse Institute Berlin (ZIB) is a non-university research institute under public law of the state of Berlin. Within the research groups "Computational Anatomy and Physiology" of the department "Modelling and Simulation of Complex Processes" and "Algorithms for Innovative Architectures" of the department "Supercomputing", we are offering at the earliest possible date until April 30, 2027, a

Research Software Engineer (m/f/d)
Reference Code: IWA 49/24
Pay Grade 13 TV-L (100 %)

Background

EuroHPC and BMBF jointly fund the Center of Excellence "MICROCARD2", focused on the development and maintenance of a high performance simulation package for cardiac electrophysiology with cellular resolution. The openCARP community code is an open source C++ finite element solver specialized on cardiac electrophysiology.

Job description

In the ZIB project team and in close collaboration with project partners from France, Germany, Italy, and Norway, you organize the integration of newly developed algorithmic components into the openCARP code base, design and implement necessary interfaces, and develop and implement higher order FE discretizations.

Your profile

- Master degree in mathematics, computer science, or related disciplines
- Proficiency in C++ software development
- Experience with numerical algorithms for partial differential equations (finite element methods, iterative solvers, Runge-Kutta time stepping)
- Interest in international and interdisciplinary collaboration
- Very good command of written and spoken English language

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.

Although this position advertised is full-time, a part-time agreement is also possible.

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 49/24**, including a cover letter, your CV and the standard supporting documents as **one PDF file** by October 30, 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. Martin Weiser (weiser@zib.de) or Dr. Thomas Steinke (steinke@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.