



27.06.2017

The Zuse Institute Berlin (ZIB) is a non-university research institute under public law of the state of Berlin. Together with its partners from academia and industry, ZIB contributes to the solution of highly complex problems in science, technology, environment and society by developing mathematical models and efficient algorithms.

The division Mathematics for Life and Materials Sciences, department Visual Data Analysis, is offering within a project, sponsored by Deutsche Forschungsgesellschaft (DFG), a

research position (f/m)
reference code WA 23/17
pay grade E 13 TV-L Berlin

in the research group "Therapy Planning" of the department Visual Data Analysis. The position is offered at the earliest possible date and will be a fixed-term contract for 2 years, with the option to be extended.

Research Topics:

- research in medical image and geometry processing
- development of algorithms for image segmentation
- segmentation and non-rigid image registration
- test and validation based on dynamic MRI data of knee joint structures

Requirements:

- above average university degree in computer science or mathematics and natural sciences
- strong interest in application oriented research within the area of medical image processing
- excellent knowledge in image processing – ideally in image registration and related math
- profound knowledge in object oriented software development as well as programming skills in C++
- ability to communicative cooperation, both within a project group as well as with project partners
- ability to work independently and goal-oriented
- very good communication skills in English

We expect creativity and a high degree of commitment in the approach to problem solutions. We offer a friendly working atmosphere, excellent equipment and a challenging professional environment. We offer scientists in all career stages opportunities for further qualification and support and expect research on top level with international visibility. Candidates are encouraged to pursue a doctoral degree in conjunction with their work at ZIB.

We particularly welcome the application of women, since women are generally underrepresented in information technology, mathematics and physics and ZIB strives to increase their proportion in this research area.

Persons with disabilities will be given preference when equally qualified.

Please send your application, quoting the reference code **WA 23/17**, including a CV and complete documents to:

Zuse Institute Berlin (ZIB)

- Administration -

Takustr. 7

14195 Berlin

or via e-mail to: jobs@zib.de. . Closing date for applications is **27th of July, 2017** as date of receipt.

For further information about the position please see our website www.zib.de or contact Dr. Stefan Zachow (zachow@zib.de).

Please find other job offers at www.zib.de. .