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18 March 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 “Computational Humanities” of the department “Modelling and Simulation of Complex Processes” we are offering a

Research Position (f/m/d)
Reference Code: IWA 17/21
Pay Grade: E 13 TV-L Berlin (100%).

This vacancy needs to be filled at the earliest possible date - preferably 1 April 2021 and is a fixed-term contract (due to end of project) until 31 December 2021.

Background

The position is part of the research project “Data-driven Modeling of the Romanization Process of Northern Africa” of the excellence cluster MATH+ at the ZIB. The main goals of this project are the development of network-based models for describing cultural spreading processes in the ancient world in application to the Romanization of Northern Africa, as well as the process inference from archaeological data.

Job description

- Supporting the development of data-based network models for studying Romanization process of Northern Africa
- Validation of models and algorithms based on archaeological data
- Publication of results in peer-reviewed journals

The research will be carried out in close collaboration with the German Archaeological Institute (DAI) and Freie Universität Berlin (FUB) and aims at shedding light on the mechanisms underlying cultural transformation processes. The successful candidate shall be included in a larger research team based at ZIB, FUB, and DAI.

Requirements

- A doctoral degree / PhD in Archaeology
- Experience in some or all of the following areas: Romanization of the ancient world, computational archaeology, statistics of spatio-temporal archaeological data (e.g. point pattern analysis), network models for studying archaeological processes
- Experience in the use of GIS (Geographic Information System), R
- Interest in interdisciplinary collaboration
- Very good English language skills

Furthermore, we expect excellent communication and teamwork skills, a high level of independence and commitment, as well as being open to interdisciplinary cooperation.

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 17/21**, including a cover letter, a CV and further documents in pdf-format by **26 March 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 the position please refer to our website www.zib.de or contact Dr. Natasa Conrad (natasa.conrad@zib.de).

For further job offers please visit our website at www.zib.de.