

Researchers in Computer Science

The Institute of Computer Science and the Data Center at the Johannes-Gutenberg University (JGU) Mainz invite applications for research positions (either as Research Associate or as Post-Doc) to work at the Competence Center for HPC in the Natural Sciences funded by the Carl-Zeiss-Foundation. The objective of the new Competence Center is to facilitate the transfer of computer science research into the natural sciences.

You will

- Design and optimize scalable algorithms for at least one of the application areas (bioinformatics, physics, meteorology, geosciences)
- Implement, expand and maintain user-friendly software.
- Work in close collaboration with other project partners
- Write scientific papers

Requirements

- Very good degree (Ph.D. or M.Sc.) in Computer Science or a closely related area
- Strong programming skills in C/C++
- Strong knowledge of algorithm design techniques
- Experience in at least one of the following areas
 - Hardware accelerators (e.g. GPUs and CUDA)
 - Benchmarking and optimization on HPC clusters
 - Data mining
 - Visual analytics or stochastic optimization
- Excellent written and spoken English

We offer

- The possibility to work on cutting-edge projects using state-of-the-art technology in collaboration with interdisciplinary project partners
- A stimulating, diverse and international research environment
- TVL-13 salary scale (Wissenschaftlicher Mitarbeiter, 100%)
- Opportunity to write a PhD thesis

To apply, please email a cover letter, CV, contact address of at least two professional references and copies of degree certificates to Prof. Bertil Schmidt: bertil.schmidt@uni-mainz.de.

Starting Date: 01-January-2015 (or later)

Duration: 3 years

Application Deadline: 15-October-2014