

The Institute for Computer Science at the Johannes Gutenberg University Mainz and the Max Planck Institute for Polymer Research Mainz (MPI-P) jointly invite applications for a

full-time PhD position (EG 13 TV-L)

in the areas of high-performance computing and computer simulations in condensed soft matter. The position is affiliated with the DFG Collaborative Research Centre “TRR 146: Multiscale Simulation Methods for Soft Matter Systems” (www.trr146.de).

The PhD research project focuses on the development and optimization of scalable parallel algorithms for soft matter research, which will be integrated into ESPResSo++ (<http://www.espresso-pp.de>). The software package has been developed for the scientific simulation and analysis of coarse-grained atomistic or bead-spring models and has a modern C++ core and flexible Python user interface.

The successful applicant will have the opportunity to contribute to cutting-edge research and to be part of a professional research team. We offer a stimulating scientific environment with excellent facilities for professional and personal development.

The candidate should have an excellent master degree in computer science or a closely related field. Good programming skills (C, C++, or Python) are a must. Knowledge in parallel algorithms, HPC, and in physics will be considered a plus. We are looking for a new colleague with either German or very good English language skills, strong interest in research, enthusiasm, and team spirit. It is intended to fill this position as soon as possible.

Applicants are asked to send their application to jobs@zdv.uni-mainz.de using the reference string “trr14”. The ideal application consists of a single PDF document that includes your CV, a list of courses you took in your master program, a copy of your master thesis, and the name of a scientist who can provide a recommendation if asked by us. Applications received by December 31st, 2017 will be considered until the position is filled.

Please do not hesitate to direct informal inquiries concerning this position to:

Prof. Dr.-Ing. André Brinkmann, brinkman@uni-mainz.de
Dr. Torsten Stuehn, stuehn@mpip-mainz.mpg.de