Two Postdoctoral Positions – Computational Multiscale Research

What Your Job Will Be Like
For a collaborative project funded by the German Research Foundation (DFG) we are seeking two Postdoctoral Appointees in the areas of multiscale materials modeling and high-performance scientific computing. You will address challenges in the development of coupling a molecular simulation code (LAMMPS) with a finite element simulation code with the aim of pushing multiscale simulation capabilities to length scales never reached before.

Qualifications We Require
• You have a PhD in Physics, Mathematics, Computer Science, or related Science or Engineering fields (Mechanical, Materials Science)
• Experience in research, development, and programming of atomistic simulation methods (MD) and/or finite element methods. Experience with the LAMMPS software package is a plus
• Excellent programming skills and proven experience in C++ as well as in a script language (python)
• Experience in high-performance scientific computer programming and parallelization
• Record of research as demonstrated by publications in peer-reviewed journals

Our Offer
• Working in creative, open-minded, ambitious teams with the goal of making a difference
• Exciting working environment on attractive research campus with excellent infrastructure, located in the cities of Darmstadt and Siegen.
• Full-time position. Limited for 2 years with possible longer-term prospects.

Applications
Get in touch with us. Applications (Letter of interest, CV, transcripts – one, single pdf-file please) to be sent via Email to:
albe@mm.tu-darmstadt.de, bernhard.eidel@uni-siegen.de, stukowski@mm.tu-darmstadt.de