



Ph.D. position Vienna Scientific Cluster

There is an opening for a Ph.D. position within the [Vienna Scientific Cluster \(VSC\) Graduate School](#). The aim the project is the development of a new and improved computer code for the [dynamical vertex approximation](#).

The Ph.D. project is interlinking the VSC team and the Computational Materials Science group. It aims in particular at the performance evaluation, tuning and improvement of the parallel computer codes doing *continuous time quantum Monte Carlo simulations* and solving the *parquet equations* (linear algebra/tensor operations).



Ph.D. candidates should have a Master degree in Physics or Informatics (or related studies) and specific knowledge of High Performance Computing and Numerical Methods/Simulation. Experience with Performance Evaluation, Tuning, and Code Optimization, and/or Monte Carlo Simulations is of advantage.

We offer a research topic at the scientific frontier in an international and vivid research environment. Vienna is a favorable location as regards culture and nature. More information regarding the group/project/VSC is available at

<http://www.ifp.tuwien.ac.at/cms>

<http://www.ifp.tuwien.ac.at/abinitiodga>

<http://vsc.ac.at>

Please send application and CV (for the Ph.D. positions including a detailed list of grades) to Prof. Karsten Held (held@ifp.tuwien.ac.at).