



Postdoctoral Positions in Computational Condensed Matter Physics

are available in the [Kuneš group](#) at the Institute of Physics, CAS in Prague (Czech Republic).

The positions are funded by the ERC Consolidator grant (project EXMAG). The project is focused on numerical investigations of ordering phenomena in Hubbard-type models and/or real materials. The work will involve development and application of numerical methods based on dynamical mean-field theory, density functional theory or other many-body approaches to quantum lattice models.

Applicants should have PhD in physics or quantum chemistry. They are expected to have experience either with many-body simulations of lattice or quantum impurity problems (Quantum Monte-Carlo, Exact Diagonalization, ...), or with density functional calculations and be familiar with many-body theory. We also welcome applications from candidates with background in spin or boson physics. A successful applicant should have produced a significant research output and be able to write computer codes in Fortran or C++.

Candidates should send their CV including a list of publications to Dr. Jan Kuneš (kunes@fzu.cz). They should also arrange for two letters of reference to be sent to the same address. The review of applications will start on June 20, 2015 and continue until the positions are filled.

The initial appointment will be for one year with a possible extension up to four years. The salary, depending on experience, is commensurate with similar positions at German universities.