



PhD positions

Quantum chemistry for molecular solids



European Research Council
Established by the European Commission

Two PhD positions are available in the group of Dr. Jiri Klimes at the Faculty of Mathematics and Physics of the Charles University in Prague. The positions are funded by the ERC within the project APES – Accuracy and precision for molecular solids. The PhD positions are available from October 2018.

Molecular solids are important in many industrial and natural processes. It is currently extremely difficult to calculate very accurately their properties from quantum mechanics. In this project we will combine quantum chemical methods with advanced solid state approaches to develop accurate, efficient, and reliable quantum mechanical methods for the description of molecular solids and related systems.

We offer:

- Projects in a hot research area in the field.
- Pay starting at 20.000 CZK per month (netto).
- Budget for two international conferences yearly and short term visits to our collaborators in the EU.
- Access to the 2 PFlops supercomputer Salomon (www.it4i.cz).

We expect:

- Degree in Physics or Chemistry with an excellent academic record.
- Good written and oral English skills.

Further details:

- To apply, send your CV, a short motivation letter, your study transcripts, and contacts of two references before 14. 2. 2018 to klimes@karlov.mff.cuni.cz (informal queries welcome).
- Web: <http://quantum.karlov.mff.cuni.cz/~jklimes/>