Ph.D. Studentship in Computational Molecular Modeling of Materials

A new Ph.D. position is open immediately at the Ecole des Mines de Nantes, FRANCE.

The project is focused on the ab initio and reactive force field computational molecular modeling of the structure, dynamics, and reactivity of aqueous solutions at the edges of clay nano-particles. The Ph.D. studentship is fully supported in the framework of the industrial chair "Storage and Disposal of Radioactive Waste" jointly funded by ANDRA, Areva, and EDF at the Ecole des Mines de Nantes, France.

The successful applicant is expected to have a strong background in physics, chemistry, materials science, or other related field, **a good knowledge of computational chemistry and experience with ab initio and classical MD calculations**, and a strong interest in the application of these computational modeling techniques to study fundamental atomic-scale properties of technologically, environmentally and geochemically important materials.

The student will work towards a Ph.D. degree in Physics or Chemistry within the joint doctoral program *Molecules, Matter, and Materials* of the Université de Nantes, the Ecole des Mines de Nantes, the Université d'Angers, and the Université du Maine.

There are no residency or nationality restrictions. Knowledge of French language is not required, but a reasonable level of oral and written command of English is expected.

To apply, please send a detailed CV and the names and addresses of three references to Prof. Andrey G. Kalinichev (kalinich@subatech.in2p3.fr).

For more information about EMN, Subatech, and our group's recent research projects and publications please visit our web sites at

http://www.emn.fr/z-subatech/kalinich/

http://www.mines-nantes.fr/fr/CORPORATE-RELATIONS/Nos-chaires/Storage-and-Management-of-Nuclear-Waste

http://www-subatech.in2p3.fr/