

Call for one-year postdoctoral position (2017) in computational material science

Modeling of structure of amorphous materials.

Keywords	computational physics, amorphous materials; atomic structure; density functional theory (DFT), molecular dynamics (MD), reverse Monte Carlo (RMC)
Project	<p>A postdoctoral position is available in the research group Functional Materials (FM) at the Laboratory for Physico-Chemistry of the Atmosphere (LPCA) in the Université du Littoral-Côte d'Opale (ULCO) à Dunkirk, France. The research will be focused towards modeling and analysis of molecular structure of glasses using DFT/MD and RMC simulations.</p> <p>Candidates with Ph.D. in Physics/Computational mathematics/Chemistry/Materials Science and research background may apply. Programming skills in UNIX shell/C/C++/Fortran and in intensive cluster calculations are also appreciated.</p> <p>Expectations from a postdoctoral researcher:</p> <ul style="list-style-type: none"> - Perform research on the assigned topics in collaboration with colleagues. - Write progress reports, write and publish research articles in international journals. - Present the work in conferences/meetings. - Install, set-up and manage numerical models and tools. <p>This project takes place in the framework of the regional program CLIMIBIO¹</p>
Qualifications	The candidate should have a PhD in mathematics or in physics. He/she should have expertise in one or more of the followings fields: computational physics, theoretical physics, numerical modelling. Skills in computer programming (Unix shell, C/C++, Fortran, Matlab or equivalent) are also appreciated.
Application	Candidates are invited to send their application by email, including a statement of research activities, a cover letter, a CV, as well name and address of two referees who could write a recommendation letter.
Salary	2020 € net.
Dates	The candidate should be available for starting on the fall of 2016 as the contract ending date cannot exceed 2017.
Laboratory location	Laboratory for Physico-Chemistry of the Atmosphere (LPCA) Université du Littoral-Côte d'Opale (ULCO) 189A, avenue Maurice Schumann, 59140 Dunkerque, France
Contact	Pr. E. Buchkov (LPCA/ULCO), bychkov@univ-littoral.fr , Dr. A. Sokolov (LPCA/ULCO), anton.sokolov@univ-littoral.fr .

¹ CLIMIBIO: Changement climatique, Dynamique de l'atmosphère, Impacts sur la biodiversité et la santé humaine. <http://climibio.univ-lille.fr/> (in French).