

Materials Modeling Research Internship position

Laboratoire de Réactivité et Chimie des Solides (LRCS-UMR7314), 33 rue Saint-Leu
80039 Amiens cedex, France

<https://www.u-picardie.fr/labo/lrcs>

<http://www.energie-rs2e.com/en>

We propose a M2 research internship (6 months) at the Laboratoire de Réactivité et Chimie des Solides (LRCS-UMR 7314), University of Picardie Jules Verne (Amiens, France), **funded by an ANR program**. A successful internship will open the possibility to go on the work in a joined experimental/modelling approach through a similar topic of PhD thesis and the candidate will have the possibility to apply for this position.

This position is available starting preferentially from January and at maximum from March for 6 months internship. We invite applications from outstanding Master students working in the areas of computational chemistry/materials science for this position. We are looking for a highly motivated candidate in her/his second year of Master in Chemical Physics, Materials for the Optics, Condensed Matter Physical-Chemistry, Physics, or a related area. This person should be able to work in a multidisciplinary team involved in innovation in the field of new photochromic materials. The candidate is expected to contribute to the design, theory, and modeling of various classes of compounds in order to guide/interpret the experimental work.

The research work involves DFT calculations to engineer advanced generation devices related to the research area. Programming skills are not mandatory. Candidates with prior experience in one or more of the following areas: computational modeling, theoretical description of chemical concepts, theory and simulation of condensed matter, structural and electronic properties of materials, structure-property relationships, spectroscopy studies will be given preference. Candidates should submit a CV, transcript of diplomas, summary of marks, a letter of motivation and the names/contact e-mails of two referees to christine.frayret@u-picardie.fr.