



**Université de Picardie Jules Verne is recruiting
A Research Engineer (BAP B - Materials synthesis)
in one-year contract (further extension possible), located at the**

Laboratoire de Réactivité et Chimie des Solides (LRCS, UMR CNRS 7314)

As from September 2019

Mission: The Materials Science / Characterization Engineer will be in charge of developing and managing the pre-transfer platform dedicated to the manufacture and/or the recyclability of materials for energy storage and conversion

- She/he will take part of the roadmap development of materials of interest,
- She/he will study, analyze and implement the relevant synthetic methodologies to reach the kg-scale,
- She/he will take part of their chemical, morphological and structural characterization,
- She/he will be in charge of welcoming researchers and manufacturers working with LRCS on those activities, in particular in the framework of the RS2E-STORE-EX

Main Activities

- Implement synthesis processes leading to gain a significant amount of materials with the targeted properties and using respectful environment process and low cost,
- Develop strategies on materials' chemical treatment for the purpose of their recyclability,
- Define experimental protocols adapted to the material functionality as part of scientific projects and in conjunction with the platform of batteries' prototyping,
- Define the equipment needs towards research,
- Train, internally and externally on the synthesis tools,
- Provide technical assistance to equipment users,
- Transfer their knowledge and take part of the young scientists' training (Student in Master, Ph-D, post-Ph-D),
- Share and promote the results under technical reports, publications, patents and/or oral communication

Profile / Skills Required

Doctor in Solid State Chemistry / Material Science with strong skills in materials synthesis and their physico-chemical characterization (chemical, structural, morphological, thermal, spectroscopic, ...).

Location

Laboratoire de Réactivité et Chimie des Solides (UMR7314), Hub de l'Énergie, 15 rue Baudelocque, 80000 Amiens

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