PhD/Postdoc/Master Topic at LRCS, Amiens, FRANCE https://www.lrcs.u-picardie.fr/	
Topic Title	*Electrochemical analyses: diagnostic tools for characterization of materials and systems for energy storage and conversion*
Principal Advisor	GUERY Claude, claude.guery@u-picardie.fr, (33)3 22 82 53 33
Co-advisor	MORCRETTE Mathieu, mathieu.morcrette@u-picardie.fr, (33)3 22 82 57 70
Collaborations	Several members of LRCS
Funding Source, Name of project	Région Hauts-de-France
Web Site of Advisor (if applicable)	http://www.u-picardie.fr/labo/LRCS/
Date of publication of the offer	December 2th, 2019
Deadline for application	February 1st, 2020
Date of start of the Project	February 15th, 2020
Description of the Topic	The postdoctoral candidate will be involved in in-depth researches on electrochemical mechanisms implying electrode materials in energy storage and conversion systems. He will base his researches on the use and development of electrochemical techniques making them power-full electrochemical diagnostic tools, in order to better understand the driving mechanisms in the existing systems such as Li/S, all solid state batteries and/or other systems as Na-ion or redox flow. The candidate will be involved in electrochemical-based and/or transport measurements, in close collaboration with members of LRCS team on several research projects.
Techniques to be used	✓ Voltammetry, galvanostatic and/or potentiostatic electrochemistry ✓ Electrochemical Quartz Cristal Micro balance ✓ Impedance spectroscopy
Skills of the Applicant	PhD in material sciences/solid state chemistry with strong expertise in electrochemistry. The candidate will be highly motivated with strong academic and publication records.
ate	
Contact (s)	claude.guery@u-picardie.fr, mathieu.morcrette@u-picardie.fr
List of documents to provide	CV + motivation letter + list of references