



<b>Postdoc Position @ LRCS, Amiens, FRANCE</b> <a href="https://www.lrcs.u-picardie.fr/">https://www.lrcs.u-picardie.fr/</a>	
<b>Topic Title</b>	<b><i>Electrochemical and Electrical Characterization of Materials and Systems for Energy Storage and Conversion</i></b>
<b>Main Contact</b>	MORCRETTE, Mathieu, <a href="mailto:Mathieu.morcrette@u-picardie.fr">Mathieu.morcrette@u-picardie.fr</a> , +33662518972
<b>Collaborations</b>	Several Members of the LRCS team
<b>Funding Source, Name of project</b>	Région Hauts de France
<b>Web Site of Advisor (if applicable)</b>	<a href="http://www.u-picardie.fr/labo/lrcs/">http://www.u-picardie.fr/labo/lrcs/</a>
<b>Date of publication of the offer</b>	July 15 <sup>th</sup> , 2019
<b>Deadline for application</b>	September 15 <sup>th</sup> , 2019
<b>Date of start of the Project</b>	October 1 <sup>st</sup> , 2019
<b>Description of the Topic</b>	The Postdoctoral candidate should be involved in in-depth understanding research of electrochemical mechanisms in new Energy Storage and Conversion systems studied in LRCS, such as Li-ion, Na-ion, Lithium Sulfur, All Solid State or Redox Flow batteries. The aim of the research will be to better understand the ageing phenomena of existing systems through the use and the development of electrochemical diagnosis tools. The candidate will be involved in transport (ionic and/or electronic conductivity) measurements for organic, inorganic and/or polymeric materials, in close collaboration with members of the LRCS team on several research projects.
<b>Techniques to be used</b>	<ul style="list-style-type: none"><li>• Galvanostatic and/or potentiostatic and/or potentiodynamic electrochemistry</li><li>• Impedance spectroscopy</li></ul>
<b>Skills of the Applicant</b>	PhD in Solid State Chemistry / Materials Science with strong expertise in Electrochemistry. We look for a highly motivated person with strong academic and publication records
<b>Contact (s)</b>	<a href="mailto:Mathieu.morcrette@u-picardie.fr">Mathieu.morcrette@u-picardie.fr</a>
<b>List of documents to provide</b>	CV + motivation letter + list of references