



2016-IPR-F-20-000-7199

**Research Fellow - Storage and Smart Grid  
Modeller**

<p><b>Position for:</b></p> <p>GRANTHOLDER CATEGORY 20 – RESEARCH FELLOW</p>	<p>As the science and knowledge service of the Commission, the mission of DG Joint Research Centre is to support EU policies with independent evidence throughout the whole policy cycle.</p> <p>With 7 Scientific Institutes, 3 Corporate Directorates and the DG/DDG Office, the JRC is located in 5 Member States (Belgium, Germany, Italy, the Netherlands and Spain). Further information is available at: <a href="http://www.jrc.ec.europa.eu">http://www.jrc.ec.europa.eu</a>.</p> <p>The current vacancy is in the Energy Security, Systems and Market Unit of the Institute for Energy and Transport, comprising of about 50 staff, supports the policy-making processes on electricity, gas and other energy related topics.</p> <p>Within the ESSM Unit, the Smart Electricity Systems and Interoperability team (<a href="http://ses.jrc.ec.europa.eu/">http://ses.jrc.ec.europa.eu/</a>) performs independent scientific research and acts as in-house scientific consultant for EU policy-making actors with particular focus on the on-going transformations of smart electricity systems.</p> <p>Energy storage and electric vehicles represent strategic resource for the management of the power systems and have the potential to become a critical enabler for the development of innovative decentralised delivery schemes.</p> <p>Taking stock of the potential technical and economic benefits of electricity storage and electric vehicles, the Unit is looking for a researcher who will model the integration of electric vehicles into smart grids, and assess the techno-economic capabilities of the power systems and markets, and their related risks and benefits.</p> <p>He/She will investigate the behaviour of storage and electric vehicles embedded in smart grids developing models, tools and experiments.</p> <p><u>Required - Qualifications:</u> The candidate shall have a university degree giving access to doctoral studies.</p> <p><u>Other Requirements:</u> The ideal candidate has a university degree in the area of engineering, physics or economics. A very good knowledge (level C1) of spoken and written English is mandatory.</p> <p><u>Advantages:</u> Knowledge of power systems, computer modelling, and/or systems integration is an asset.</p>
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<b>Directorate Unit Project/Task force</b>	Institute for Energy and Transport Energy Security, Systems and Market Smart Electricity Systems and Interoperability  Further information: <a href="http://ses.jrc.ec.europa.eu/">http://ses.jrc.ec.europa.eu/</a>
<b>Indicative duration Preferred starting date</b>	36 months  ASAP
<b>JRC Site Country</b>	Ispra  Italy
<b>Rules</b>	Grantholders: <a href="https://ec.europa.eu/jrc/sites/default/files/jrc_granholder_rules.pdf">https://ec.europa.eu/jrc/sites/default/files/jrc_granholder_rules.pdf</a>  <a href="https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/granholders/contract-and-working-conditions">https://ec.europa.eu/jrc/en/working-with-us/jobs/temporary-positions/granholders/contract-and-working-conditions</a>