

# SENIOR RESEARCHER

**Puesto ofertado: IS BATTERY CYCLING S-8**

**Offer Date: Web publication**

**Project: CIAE – REF. IS Battery Cycling S-8 (Electrical Energy Storage)**

**Department: Electrical Energy Storage**

**Expected date of incorporation: 4<sup>th</sup> quarter 2024**

<b>Workplace:</b>	University of Extremadura. Campus de Cáceres	
<b>Tasks to be developed:</b>	Management of corrosion and aging battery projects Management of cycling and SoH modelling projects Management of electrochemical modelling projects Dissemination of results Laboratory management support	
<b>Duration of the contract and salary (per annum):</b>	Temporary Contract Initial duration: 2025 September, with the possibility of extension	Annual Gross Base Salary: 46.129,58 €
<b>Academic background required:</b>	Dr. Chemical Engineer / Dr. CC. Chemistry / Dr. Industrial Eng. or equivalent	
<b>Other education:</b>	Assessable: Master in electrochemistry or similar Master in material corrosion Master in material simulation	
<b>Professional experience:</b>	<ul style="list-style-type: none"> <li>- Projects related with corrosion and property loss of energy storage systems, or battery cycling or battery life estimation or battery modelling minimum 2 years</li> <li>- Participation in at least 4 European projects (H2020, FP7, etc.) or equivalent or equivalent private enterprise experience</li> </ul>	
<b>Job requirements (have to be fulfilled):</b>	Specific techniques (analytics, software, calculations, prototyping, etc.)	AAS, ICP, DRX, DMA, TGA, DSC, TMA, SEM
	Participation and/or collaboration in R&D&I/business projects	Minimum participation in 4 European or national projects or equivalent
	Experience in Research Centers / Companies	Yes. Minimum stay of 1 year (in total)
	Languages	Excellent oral and written skills in English
	Cross-cutting competences	Teamwork Communication skills
	Willingness to travel and stay abroad	YES

## JOB OFFER

	Publications: scientific articles (in journals indexed in Web of Science and/or Scopus), theses (PhD and/or master's degree), presentations at congresses, reports, technical reports, technical guides, etc.	Minimum 10 published articles Minimum participation in 5 congresses
<p><b>To be evaluated (adds points to the final evaluation)</b></p> <p>Experience as Principal Investigator in regional project/ nationals/ Europeans or direct contracting          Experience as director of doctoral/PhD theses          Experience leading students grade/master projects or equivalent projects of students          Experience as first author in at least three scientific articles          Valuable knowledge of non-destructive techniques or potentiostatic techniques          Valuable knowledge of battery state of health          Other languages, excluding mother tongue, can be valued          Valuable to have obtained Torres Quevedo, Juan de la Cierva, Ramón y Cajal, MarieCurie or equivalent competitive competition research contracts          Time of stays in different centres of realization of the Doctoral Thesis</p>		
<p><b>Selection process details:</b></p> <p><b>Technical test: Oral knowledge test YES X NO <input type="checkbox"/></b>  <b>Maximum 4 sheets in English in which you develop your own scientific project</b></p> <p><b>LANGUAGE: ENGLISH ORAL YES X NO <input type="checkbox"/> (Will be evaluated during the interview)</b></p> <p><b>JOB INTERVIEW: YES X NO <input type="checkbox"/></b></p>		

### Interested parties/interested parties:

Please, send all the documents requested by the terms and conditions of the call for proposals, together with all the documents requested by this job offer, with the deadline being 15 calendar days from the day following the publication in the CIAE web, and indicating the following reference **REF. IS Battery Cycling S-8 (Electrical Energy Storage)**

FUNDECYT-PCTEX (Edificio Parque Científico Tecnológico), Avda. de la Investigación, s/n, Edificio PCTEX, Campus de la Universidad de Extremadura – 06006 Badajoz (España)

Email: [ciae.personal@fundecyt-pctex.es](mailto:ciae.personal@fundecyt-pctex.es) Phone: +34 927 690 042 Ext. 107

[www.fundecyt-pctex.es](http://www.fundecyt-pctex.es)

[www.ciae.org](http://www.ciae.org)