JOB OFFER

Senior Master Technician

Position:	**TMS-THESILO. Senior Master Technician in R&D of materials for sensible and latent heat storage.**		
Project:	THESILO - Repurposing grain silos as thermal batteries for renewable energy storage		
Professional category:	Senior Master Technician		
Work Center:	University of Extremadura, Cáceres 10003, Spain.		
Number of places:	**1**	**Reserve percentage, if applicable:**	
Department:	Thermal Energy Storage		
Offer date:	**DOE Publication**	**Deadline for submitting bids:**	**15 calendar days**, counting from the day after publication in the DOE (Official Journal of Extremadura)
Application for participation:	Published together with the terms and conditions of the call for applications and on the CIIAE website	**Form of presentation of the application for participation by applicants:**	APPLICANTS MUST SUBMIT ALL DOCUMENTATION FROM SECTION **5** OF THE RULES, indicating: **Ref. TMS-THESILO (THERMAL ENERGY STORAGE).**
Documents to be submitted with the application:	The documents listed in **point 5 of the Call Bases.** In addition to the mandatory documentation above, the following will be considered: - Motivation letter (max. 2 pages) - 1 reference letter		
Contact information for sending requests	FUNDECYT-PCTEX (Science and Technology Park Building), Avda. de la Investigación, s/n, PCTEX Building, Campus of the University of Extremadura – 06006 Badajoz (Spain) Email: ciiae.personal@fundecyt-pctex.es www.fundecyt-pctex.es www.ciiae.org		
Estimated start date:	**June-July 2026**	**Probation:**	**2 MONTHS**
Waiting list	Yes, according to the regulations of points 9 and 10 of the Call Bases.		
Conditions and requirements for applicants:	Those established in point 4 of the Call Bases		
	President: Breogán Pato Doldán		

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<table>
<tr><td rowspan="3">Members of the selection body:</td><td colspan="3">Secretary and member: Marta Peña Balestra</td></tr>
<tr><td colspan="3">Member: Rubén Ramos Velarde</td></tr>
<tr><td colspan="3">Member: Yanio Milian Rodríguez</td></tr>
<tr><td>Tasks to be developed:</td><td colspan="3">The development of novel thermal energy storage materials plays a key role in improving energy efficiency and enabling the integration of renewable energies in both building and industry sectors. The selected candidate will contribute to the preparation, characterization and optimization of new materials for sensible and latent heat storage, including their integration into real environments.
The selected candidate will perform the following tasks:
• Experimental evaluation of thermophysical properties (e.g., thermal conductivity, heat capacity, stability) and performance under relevant operating conditions.
• Development and optimization of advanced materials and composites for thermal energy storage, including strategies to enhance efficiency, durability and scalability.
• Investigation of phase change materials (PCMs) that exhibit high-enthalpy solid–solid phase transitions within the selected temperature range.
• Integration and assessment of developed materials and solutions in real or pilot systems, including their applicability in building envelopes and large-scale storage infrastructures.</td></tr>
<tr><td>Academic background:</td><td colspan="3">Bachelor’s degree (5 years) or degree (4 years) in Chemistry, Chemical Engineering, Physics, or Materials Engineering, and a Master’s degree in Chemistry, Chemical Engineering, or Materials Science.</td></tr>
<tr><td>Other training:</td><td colspan="3">Desirable: specific trainings in lab-scale characterization techniques of solid materials.</td></tr>
<tr><td>Contract duration:</td><td colspan="3">Until 31/12/2028 or until the end of the funding</td></tr>
<tr><td>Remuneration:</td><td><u>Gross Annual Salary:</u>
B.S: 38.720,97 €</td><td>Financing:</td><td>Co-financed by the European Union through the Interreg VI-A Spain-Portugal Program (POCTEP) 2021-2027.</td></tr>
<tr><td colspan="4">Details of the selection process:
- Technical test: No
- Language: Yes (will be evaluated during the interview)
- Job interview: Yes</td></tr>
<tr><td rowspan="2">Evaluation: evaluable criteria and subcriteria</td><td colspan="3">MERIT AND CURRICULAR EVALUATION PHASE (COMPETITION). Until 50 points</td></tr>
<tr><td colspan="3">• At least 5 years of work experience in a materials science laboratory (10 points).
• Knowledge of solid-state structural characterization techniques (5 points)
• Knowledge of thermal characterization techniques: DSC, TGA, LFA (5 points)
• Experience working in research projects (5 points)
• Experience working in international R&D centres (5 points)
• Specific/relevant training courses for the offered position (5 points).
• Scientific publications will be valued (10 points)
• Awards, certificates or other achievements (5 points).</td></tr>
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	INTERVIEW PHASE (OPPOSITION). Until 50 points A. Adequacy of knowledge, experience and other requirements to the center (10 points) B. Competency, aptitude, skills and abilities: managerial, organizational, analytical, team management and communication skills (10 points) C. The suitability of the applicant's profile to the position to be filled (10 points) D. Candidate's interest in becoming part of the organization and in the performance of the vacancy (10 points) E. Communication skills in English, Portuguese and/or Spanish (10).

FUNDECYT-PCTEX (Science and Technology Park Building), Avda. de la Investigación, s/n, PCTEX Building, Campus of the University of Extremadura – 06006 Badajoz (Spain)

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Authority: José Luis Canito Lobo, Director Gerente FUNDECYT-PCTEX

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