

JOB OFFER

Junior Master Technician

Position:	Junior Master Technician		
Project:	4TunaTES – For Tunable Thermochemical Energy Storage		
Professional category:	Junior Master Technician		
Work Center:	University of Extremadura, Cáceres Campus		
Number of places:	1	Reserve percentage, if applicable:	
Department:	THERMAL ENERGY STORAGE (CIIAE)		
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: <u>Ref. TMJ-4TUNATES (THERMAL ENERGY STORAGE)</u>
Documents to be submitted with the application:	The documents listed in point 5 of the Call Bases. In addition to the mandatory documentation listed above, the following will be considered: - Motivation Letter (maximum 1 page)		
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: ciae.personal@fundecyt-pctex.es www.fundecyt-pctex.es www.ciae.org		
Estimated start date:	September 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		
Members of the selection body:	President: Breogán Pato Doldán		
	Secretary and member: Marta Peña Balestra		
	Member: Aleksandr Shkatulov		

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	Member: Rubén Ramos Velarde		
Tasks to be developed:	Energy storage is important for the transition to sustainable and renewable energy. Thermal energy accounts for about 50% of all energy end-use, and the technologies of its storage and management in residence sectors and industry are being actively developed. Using chemical reactions for thermal energy storage is an innovative approach that offers high energy storage density, long storage duration and provides the versatile toolbox of thermal energy management. The state of the art in this evolving field requires groundbreaking solutions combining promising materials with new storage concepts. This position is linked to a European project 4TunaTES aiming at development of tuneable thermochemical energy storage. By exploring a novel type of chemical reactions, we aim to improve operational flexibility of thermochemical energy storages for both domestic and industrial use. At the Iberian Centre for Energy Storage Research (CIIAE), we seek a passionate candidate ready to tackle the challenges of material design, experimental investigation and developing scaling up routines in cooperation with the leading universities and research institutions across the European Union. The selected candidate will perform the following tasks: • Synthesis and characterization of novel tuneable thermochemical materials (TCMs); • Understanding phase transitions in solid state TCMs and their dynamics; • Thermodynamic and kinetic analysis of tuneability of thermochemical energy storage materials and systems; • Experimental development of reactivity enhancement techniques for the new materials; • Advanced data processing; • Authoring and co-authoring scientific publications; Presenting the results at scientific conferences and congresses.		
Academic background:	Master of Chemistry, Material Science, Chemical Engineering, Energy Engineering or Environmental Engineering or related field		
Other training:	Thermal characterization using TGA/DSC, good level of verbal and written English		
Contract duration:	Until the end of the project (31/01/2028)		
Remuneration:	Gross Annual Salary: 34.295,84 €	Financing:	Funded by the European Union under the Horizon Europe Programme, as regulated by Grant Agreement No. 101130021-4TunaTES, under the HORIZON-EIC-2023-PATHFINDEROPEN-01 call.
Details of the selection process: - Technical test: No - Language: Yes (will be evaluated during the interview) - Job interview: Yes			

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Evaluation: evaluable criteria and subcriteria	MERIT AND CURRICULAR EVALUATION PHASE (60 points)
	• Experience in materials for energy systems (15 points) • Experience in data analysis tools (15 points) • Participation in R&D&I projects (10 points) • Experience in characterization techniques (10 points) • Motivation letter (10 points)
	INTERVIEW PHASE (40 points)
	• Suitability of knowledge, experience, and other required qualifications (12 points) • Competence, aptitude, skills, and abilities: ability to work in a multidisciplinary team, ability to work independently, and critical thinking (12 points) • Communication skills in English (6 points) • Interest in integrating into the organization and in performing the duties of the advertised position (10 points)

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