

English version

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**Universidade de Évora - UE**  
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**1. Descrição do cargo/posição/bolsa**  
**1. Job description**

**Job:**  
Investigator

**Job/Fellowship Reference:** Investigador - Áreas científicas de Engenharia Mecânica e Sistemas de Engenharia ou da Física (referência RHAQ-10-CER-2)

**Main research field:** Not available

**Sub research field:**

**Job summary:**

By order dated October 9th 2020 of the Rector of the University of Évora, it was deliberated to open an international selection contest for the position of doctor for the exercise of scientific research activities in the scientific areas of Mechanical Engineering and Engineering Systems or Physics under a fixed term public service work contract regime with the duration of three years, pursuant to Decree-Law No. 57/2016, of 29 August and the Regulation for the Evaluation of the Performance of Doctoral Researchers at the University of Évora, published by Order No. 7123/2019 (2nd series), of August 9, for the purposes provided for in the first clause, in order to carry out the functions of researcher in the field of medium and high temperature application of Solar Concentration technologies and presenting the following requirements: - professional experience in Technology Transfer and applied research activities in Thermal Energy Storage (TES) systems for process heat (SHIP) and/or Concentrated Solar Power (CSP) applications; - experience in the modeling and simulation of thermal systems with TES for SHIP and/or CSP applications; - preferably with previous knowledge and experience in the use of TRNSYS, GREENIUS and/or SAMS simulation tools; - preferably with previous experience in the commissioning and operation of thermal systems using Molten Salts (MS) as heat transfer fluid (HTF) and/or heat storage media; - preferably with previous activity and contact with industrial partners and stakeholders; - preferably with previous experience in the preparation of project funding proposals and project management activities.

**Job description:**

ANNOUNCEMENT OF OPENING OF AN INTERNATIONAL SELECTION CONTEST PROCEDURE FOR CONTRACTING A DOCTOR UNDER THE HIGHLY QUALIFIED RESOURCE HIRING PROGRAM Universidade de Évora Aviso (extrato) nº 17730/2020 de 2 de novembro 1. By order dated October 9th 2020 of the Rector of the University of Évora, it was deliberated to open an international selection contest for the position of doctor for the exercise of scientific research activities in the scientific areas of Mechanical Engineering and Engineering Systems or Physics under a fixed term public service work contract regime with the duration of three years, pursuant to Decree-Law No. 57/2016, of 29 August and the Regulation for the Evaluation of the Performance of Doctoral Researchers at the University of Évora, published by Order No. 7123/2019 (2nd series), of August 9, for the purposes provided for in the first clause, in order to carry out the functions of researcher in the field of medium and high temperature application of Solar Concentration technologies and presenting the following requirements: - professional experience in Technology Transfer and applied research activities in Thermal Energy Storage (TES) systems for process heat (SHIP) and/or Concentrated Solar Power (CSP) applications; - experience in the modeling and simulation of thermal systems with TES for SHIP and/or CSP applications; - preferably with previous knowledge and experience in the use of TRNSYS, GREENIUS and/or SAMS simulation tools; - preferably with previous experience in the commissioning and operation of thermal systems using Molten Salts (MS) as heat transfer fluid (HTF) and/or heat storage media; - preferably with previous activity and contact with industrial partners and stakeholders; - preferably with previous experience in the preparation of project funding proposals and project management activities. 2. Applicable legislation: Decree-Law no. 57/2016 of 29th August, which approves the doctor hiring regime destined to stimulate scientific and technological employment in all areas of knowledge (RJEC). General Public Service Labour Law (LTFP), approved in annex to Law no. 35/2014 of 20 June, under its current wording. 3. Pursuant to article 16 of Decree-Law no. 57/2016 of

29th August, this contest procedure shall be exempt from authorization by the Government members in charge of the areas of Finances and Public Administration, namely that mentioned in nº 3 of article 7 of the LTFP; from obtaining a prior favourable opinion from the Government members in charge of the areas of Finances and Public Administration, mentioned in nº 5 of article 30 of the LTFP, and the recruitment process for workers in a requalification position, mentioned in article 265 of the LTFP. 4. Pursuant to article 13 of the RJEC, the contest selection panel has the following composition: President: Doctor Pedro Horta, Chairman of the University of Évora Chair in Renewable Energies. Members: Doctor Tiago Osório, Researcher in the University of Évora Chair in Renewable Energies; Dipl. Eng. Klaus Hennecke, Head of Department Line Focus Systems at the Institute for Solar Research of DLR - German Aerospace Center Doctor Pedro Azevedo, Auxiliary Researcher at LNEG - National Laboratory for Energy and Geology, IP 5. The place of work is situated in any of the research infrastructures of INIESC - Pólo de Évora (EMSP - Évora Molten Salt Platform or PECS - Plataforma de Ensaio de Concentradores Solares), located in Herdade da Mitra, Évora. 6. The monthly remuneration to be paid is 2 134,73€ corresponding to level 33 of the Single Salary Table, approved by Order no. 10-B/2020 of 20th March. 7. Any national, foreign and stateless candidates who hold a doctorate degree in Physics, Mechanical Engineering, Thermodynamics or Earth Sciences and a scientific and professional curriculum whose profile meets the requirements of the position can submit their applications. If the PhD has been awarded by a foreign higher education institution, the candidates are admitted to the procedure, according to paragraph e) of paragraph 2 of article 4 of Decree-Law nº 60/2018, of 3th August and the registration/recognition of the degree in Portugal to be effected after the end of the tender, under the terms provided for in Decree-Law nº 66/2018, of 16th August, and is only necessary in the act of contracting. 8. General contest admission requirements are those specified in article 17 of the LTFP and special requirements are those specified in the previous section. 9. Pursuant to article 5 of the RJEC, selection is to be made based on the evaluation of the scientific and curricular career of the candidates. 10. The evaluation of the scientific and curricular career focuses on relevance, quality and up-to-dateness: a) Of the scientific, technological, cultural or artistic production in the last five years, deemed most relevant by the candidate; b) Of research activities, applied or based on practical work, developed in the last five years, and considered of greatest impact by the candidate; c) Of knowledge extension and dissemination activities developed in the last five years, namely in the context of the promotion of culture and scientific practices, considered of greatest relevance by the candidate; d) Of science, technology and innovation programme management activities, or experience in observing and monitoring the scientific and technological or higher education system in Portugal or abroad. 11. The five-year period mentioned above can be extended by the panel, if requested by the candidate, whenever the suspension of scientific activities is founded on socially protected grounds such as paternity leave, long-term serious illness, and other legal situations of unavailability to work. 12. In the application of the criteria referred to in point 10, the following parameters and weight factors are evaluated: ) Scientific, technological, cultural or artistic production, with a relative weight of 55%: a.1) Scientific, artistic or technological impact and quality of the works selected by the candidate - 15%; a.2) Publications co-authored with other authors, national and international - 15%; a.3) Participation in the team of national or international projects - 25%. b) The activities of applied research or based on the practice developed in the last five years, including partnerships with companies and public administration, with a relative weight of 20%. c) The activities of extension and dissemination of knowledge developed in the last five years, namely in the context of promoting culture and scientific practices, considered most relevant by the candidate, with a relative weight of 5%; d) Management activities of science, technology and innovation programs, or experience in observing and monitoring the scientific and technological system or higher education, in Portugal or abroad, with a relative weight of 10%. e) Public presentation with weighting factor of 10%, if the jury considers it pertinent to hear the candidates. The interview includes a presentation and public discussion session by the candidates of the results of their research and their impact in the strategic development of the Renewable Energies Chair of the University of Évora. In all cases relevance will be given to indicators and activities which fall in the areas of Physics, Mechanical Engineering, Thermodynamics or Earth Sciences and especially the themes referred to in point 1. 13. The public presentation referred to in point 12 comprises a public presentation and discussion session by the candidates about the results of their research. 14. The system of final classification is expressed on a scale of 0 to 100. 15. The panel shall deliberate by means of roll call vote justified under the adopted and disclosed selection criteria, with no abstentions allowed. 16. Minutes of panel meetings shall be elaborated and will include a summary of all occurrences, as well as of all votes cast by the members and their respective reasoning, and shall be provided to candidates whenever requested. 17. After concluding the application of the selection criteria, the panel will prepare an ordered list of approved candidates and their respective classification. 18. The panel's final decision will be validated by the head of the institution, who is also in charge of deciding about the contracting. 18. Formalization of applications: 18.1 Candidatures are formalized by way of an official request form, available at the e-mail address of the Administrative Services of the University of Évora, <http://www.sadm.uevora.pt>, sent to the President of the Jury, which includes the identification of this announcement (Ref. RHAQ-10-CER-2), full name, parents' names, ID card or Citizen Card number and date or civil identification number, taxpayer ID number, date and place of birth, marital status, occupation, residence and contact address, including email address and telephone. 18.2 The application for admission to the contest is accompanied by the following documents: a) Documents proving the fulfilment of the conditions set out in points 7 and 8 for admission to this contest, namely, certificate of the degrees and titles required and certificate of length of service; b) Curriculum Vitae of the candidate, indicating the outputs and works carried out and published, as well as the scientific, artistic and/or technological activities developed. The curriculum vitae must be prepared taking into account the evaluation parameters referred to in points 10 and 12; c) Copy of papers selected by the candidate as most representative of their curriculum vitae up to a maximum of 5. 18.3 Candidates should submit their application request and supporting documentation, preferably in digital form, in PDF format, to the email [drhsc@uevora.pt](mailto:drhsc@uevora.pt), in person at the Universidade de Évora - Divisão de Recursos Humanos (DRH), Serviços Administrativos, Largo da Sr.<sup>a</sup> da

Natividade, Apartado 94, 7002-554 Évora, Portugal, during working hours, or by mail to the same address. When submitted by mail, applications must be sent by registered mail with acknowledgement of receipt sent until the last day of application deadline, which is hereby set as 30 working days after the publication of this Announcement. 19. All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this contest are excluded from admission. In case of doubt, the panel is entitled to request any candidate to present further documentation supporting their statements. 20. False statements provided by the candidates will be punished by law. 21. A list of the candidates admitted and excluded as well as the final classification list is publicized on the webpage <http://www.sadm.uevora.pt>, and the candidates are notified by email with receipt of delivery. 22. Preliminary Hearing and Final Decision Deadline: Pursuant to article 121 of the Administrative Procedure Code, after notification, all candidates have 10 working days to respond. The panel's final decisions are pronounced within a period of 90 days, counted from the deadline for presentation of applications. 23. This contest is exclusively destined to fill this specific vacancy and can be terminated at any time until approval of the final candidate list, expiring with the respective occupation of the vacancy. 24. Non-discrimination and equal access policy: The University of Évora actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership. 25. Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and this preference supersedes any other legal preference. Candidates must declare, on their honor, their respective disability degree, type of disability and communication/expression means. October 21th 2020 – The Administrator of the University of Évora, Maria Cesaltina Frade.

**Vacant posts:** 1

**Type of contract:** Information not available

**Job country:** Portugal

**Job city:** Évora

**Job company/institute:** Universidade de Évora

**Application deadline:** 16 Dezembro 2020

*(The Application's deadline must be confirmed on the Job Description)*

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## 2. Dados de contactos da organização

### 2. Organization contact data

**Organization/institute:** Universidade de Évora - UE

**Address:**

Largo dos Colegiais 2  
Évora - 7004-516 Évora  
Portugal

**Email:** [drhsc@uevora.pt](mailto:drhsc@uevora.pt)

**Website:** <http://www.uevora.pt/>

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## 3. Habilitações académicas

### 3. Required education Level

**Empty**

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## 4. Línguas exigidas

### 4. Required languages

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**5. Experiência exigida em investigação**  
**5. Required research experience**

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