

CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

Research Fellowship in Special Regime for a Master's Student

1 Research Fellowship(s) in Special Regime (BI-RE) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution SATO - Self Assessment Towards Optimization of Building Energy, financed by European Union's H2020 research and innovation programme under Grant Agreement no. 871259, under the following conditions:

1. **Scientific Area:** CyberPhysical Systems and Internet of Things
2. **Requirements for admission:** Students must be enrolled in one of the Master of Science degrees: Engenharia Informática, Informática, Segurança Informática.
3. **Additional optional skills and qualifications:** Frequency of the disciplines CyberPhysical Systems, Internet of Things or Informatic Security; Experience in the scientific area.
4. **Work plan:** The work plan is framed on the theme "Building appliances energy performance assessment", with the following activities: 1) Literature review on IoT protocols; [0.5 months]; 2) Selection of IoT hardware: computing platform and sensors; [0.5 months]; 3) Integration of sensors and computing platform; [1 month]; 4) Implementing the monitoring application and its integration with a cloud platform; [2 months]; 5) Installation in an appliance within a real-life case study: testing and data collection; [2 months]; 6) Development of energy assessment procedures and failure detection algorithms; [2 months] 7) Thesis writing. [1 month]
5. **Legislation framework:** Research Fellowship Holder Statute, in accordance with Law 40/2004, of 18 August, in its current version and the FCT Regulation for Research Studentships and Fellowships, in its current version (available at [Regulamento de Bolsas de Investigação da FCT, I. P.](#)), and FCIências.ID Fellowship Regulation, as approved on 12th May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCIências.ID](#)).
6. **Place of work:** The work will be developed at the LASIGE, in the Informatics Department of the Faculdade de Ciências da Universidade de Lisboa under the scientific supervision of Professors Pedro Miguel Ferreira and José Cecílio.
7. **Fellowship duration:** This position is initially opened for 3 months and will begin on November 2020. The fellowship contract may be potentially renewed for 21 months, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P and FCIências.ID Fellowship Regulation.
8. **Monthly allowance:** The fellowship amounts to € 918, according to [table values](#) of the FCIências.ID Fellowship Regulation. The fellowship holder will have a personal accident insurance and can ensure the right to social security through adherence to the voluntary social insurance scheme, if not covered by any other social protection scheme, pursuant to *Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social*. The fellowship will be paid monthly by bank transfer



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This grant includes the minimum base value determined by FCT, plus an amount related to additional tasks (writing parts of deliverables, preparation of presentations, reports, or other tasks related to the candidate activity in project SATO).

9. **Evaluation and selection process:** Candidates will be assessed by the quality of their CV (80%) and an interview (20%) of the top 3 candidates.

10. **Selection Committee:** President: Pedro Miguel Frazão Fernandes Ferreira; 1st Member: José Cecílio; 2nd Member: Vinicius Vielmo Cogo; Alternate member: António Casimiro Costa.

11. **Publication/notification of results:** All the candidates will be notified by e-mail, sent by the call holder, with the selection meeting minutes enclosed.

12. **Deadlines:** This call for applications is open from 14/10/2020 to 22/10/2020 .

13. **Application:** Applications should be sent via e-mail to pmf@ciencias.ulisboa.pt, by attaching the following documents:

- a. Curriculum vitae;
- b. Certificate of completion of previous degree;
- c. Proof of registration in the study cycle that confers the requested degree in this call;
- d. and other documents considered relevant

14. **Time limits for the appeal procedure:** In case of negative decision, the candidates have 10 business days, after the date of announcement of the results of the candidates evaluation, to pronounce their disagreement in accordance with the *Código do Procedimento Administrativo*. Appeals against the final decision may be submitted to the Administration Board of FCIências.ID (fciencias.id@fciencias-id.pt) within 15 business days after the notification date

Note 1: The documents that prove the entitlement of the academic qualifications and diplomas, or the proof of registration in the academic degree or diploma requested on the call, can be dismissed during the application period and replaced by a declaration on their honour from the applicant. Their delivery is mandatory during the fellowship contractualization.

NOTE 2: Please note that - higher education degrees and diplomas awarded by foreign higher education institutions need to be recognized by a Portuguese higher education institution, pursuant to the [Decree-Law nr. 66/2018](#) (August 16) and the [Ministerial Order nr. 33/2019](#) (January 25). The presentation of the recognition certificate is mandatory for contract signature. More information can be obtained at: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.



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