

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

### 1 Fellowship in Special Regime for a PhD student (BI-RE)

1 Fellowship in Special Regime (BI-RE) is open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project ADMORPH - Towards Adaptively Morphing Embedded Systems funded by European Union's H2020 research and innovation programme under grant agreement No. 871259, under the following conditions:

1. **Scientific Area:** Computer Science and Engineering
2. **Requirements for admission:** Students enrolled in the PhD Programme in Informatics of the Faculdade de Ciências da Universidade de Lisboa.
3. **Additional optional skills and qualifications:** Research experience in the area of Cyber-Physical systems.
4. **Work plan:** The work will be developed in the scope of the “ADMORPH - Towards Adaptively Morphing Embedded Systems” project, which aims at leveraging system adaptivity to fuse fault and intrusion tolerance with the increasing performance requirements of current and future mission- and safety-critical CPS(oS). In concrete, the work will focus on the topic of control-aware fault and intrusion tolerance, and will consist in the design, development, implementation and evaluation of techniques for system-level support to adaptive control applications, leveraging on the time and space partitioning concept and on architectural hybridization. Key aspects to be addressed consist in the definition of architectural patterns for FIT, of interfaces between the control system and the supporting subsystem and of a programming model for the adaptive control application. The solutions will make it possible to design control applications that seamlessly adapt to changes in variables with implications on the control stability (e.g., computation and communication latencies), to ensure a correct and safe behaviour of the controlled system
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 <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf>, and **FCiências.ID** Fellowship Regulation, as approved on 12<sup>th</sup> May 2020.
6. **Place of work:** The work will be developed at the LASIGE research unit, under the scientific supervision of Professor António Casimiro.
7. **Fellowship duration:** This position is initially opened for 6 months and will begin on November 2020. The fellowship contract may be potentially renewed until the end of the project, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
8. **Monthly allowance:** The fellowship amounts to € 1576. 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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9. **Evaluation and selection process:** Candidates will be assessed by the quality of their CV (60%) and an Interview (40%).
10. **Selection Committee:** António Casimiro (President of the Jury), Pedro Ferreira (1st evaluator), Nuno Ferreira Neves (2nd evaluator), Alysson Bessani (alternate evaluator)
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 01 October 2020 to 12 October 2020 .
13. **Application:** Applications should be sent via e-mail to [lasige@ciencias.ulisboa.pt](mailto:lasige@ciencias.ulisboa.pt), referring in the "Subject": BI-RE (MSc) ADMORPH\_oct2020, 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;
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 candidate's 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](mailto: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>.

**Note 3:** FCIências.ID is an equal-opportunity employer. Applications that promote the diversity of its academic community with respect to ethnicity, gender, sexuality and class are particularly encouraged.

