

CALL FOR RESEARCH POSITION

REASSURE/BIM/01/18

The CISTER Research Unit hosted at the School of Engineering of Porto (ISEP), is opening 1 BIM research position, with ref. REASSURE/BIM/01/18. The work is to be developed under REASSURE, ref. NORTE-01-0145-FEDER-028550, supported by National Funds through the FCT/MCTES Portuguese Foundation for Science and Technology and co-financed by North Portugal Regional Operational Programme (NORTE2020), through the PT2020 Partnership Agreement and ERDF (European Regional Development Fund), in the following conditions:

1. SCIENTIFIC AREA

Computer Science

2. REQUIREMENTS

The candidate must have a Master's Degree in Computer Engineering or Computer Science, experience in the development and formal verification of software, experience in security protocols and secure software development, experience in the development of embedded software in the industry. The candidate must also be fluent in written and spoken English.

The candidate should preferably have experience in software development using functional programming languages and experience in the usage of the Coq proof assistant.

3. CONTRACT DURATION

The position is of 6 months, possibly renewable, up to the limits stated in the regulation.

4. WORK PLAN

The Work Plan will involve:

- Develop scientific work in the area of domain specific languages to support the specification of non-functional properties of real-time embedded systems
- Develop scientific work in the area of formal verification and runtime verification of software for real-time embedded systems
- Prepare papers and technical reports related with research projects

5. LEGISLATION

Research Grant Holder Statute approved by Law nr. 40/2004 of August 18, amended and republished by Decree-Law nr. 202/2012 of August 27, in turn amended by Decree-Law nr. 233/2012 of October 29, by Law nr. 12/2013 of January 29, and by Decree-Law nr. 89/2013 of July 9; FCT Regulation on Advanced Training and Qualification of Human Resources approved by Regulation nr. 234/2012, published in Diário da República (Official Gazette) Series II of June 25 of 2012, amended and republished by Regulation nr. 326/2013, published in Diário da República Series II of July 27 of 2013, amended by Regulation nr. 339/2015, published in Diário da República Series II of June 17 of 2015, and amended by Regulation nr. 137-A/2018, published in Diário da República Series II of February 27 of 2018 (<http://www.fct.pt/apoios/bolsas/regulamento.phtml.en>); ISEP Regulation on Advanced Training and Qualification of Human Resources approved by the Regulation nr. 405/2010 of May 6, amended by the Regulation nr. 73/2015 of February 16.

6. WORKING LOCATION AND SUPERVISOR

The work is to be carried out at the facilities of the CISTER Research Unit hosted at the School of Engineering of Porto (ISEP), under the coordination of a PhD member of the Research Unit.

7. SALARY

Salary: € 980, Payment by Wire Transfer (stipend in accordance with the FCT regulation: <http://www.fct.pt/apoios/bolsas/valores.phtml.pt>), supported by PAD n.º C39352. According to what is stated

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in the regulations, and only applicable to exceptional cases and on terms to be defined, an additional amount may be paid.

Only for Foreigners, there may be the additional following payments:
Installation Subsidy: € 1000 (for stays of a minimum of 6 consecutive months)
Travel Subsidy: € 600 (outside Europe); € 300 (Europe)

8. SELECTION CRITERIA AND JURY

The Jury responsible for the selection will be composed by PhD members of the Research Unit, as follows:

Chair: David Pereira (Project Coordinator - PI);
Effective Jurors: Dr. Eduardo Tovar (Substitute Chair) and Dr. Filipe Pacheco;
Substitute Juror: Dr. Luis Lino Ferreira.

Assessment criteria will be:

- quality of CV and adequateness for the targeted research area (70%);
- interview (30%)

Remarks:

Candidates may be excluded from the call for the following reasons:

- a) For not holding the academic degree and the requirements required in the call (bullet 2.);
- b) For getting a score lower than 9.5 in any of the assessment criteria stages;
- c) For not attending the interview or unavailability to provide any additional information required by the Jury during the selection process.

9. NOTIFICATION OF RESULTS

The evaluation results will be disseminated electronically (by email).

10. APPLICATION PROCEDURE

The application must include a **detailed CV, and transcripts**, and should be addressed to the email JOBS@cister-isep.info, until **6/AUG/2018**. Indicate **"ref. REASSURE/BIM/01/18"** as email subject.

11. APPLICATION DEADLINE

The interested candidates should submit the application between **24/JUL/2018** to **6/AUG/2018**.

12. RESERVE LIST

CISTER/ISEP reserves the right to consider the non-selected applicants, always according to the final ranking list, for hiring additional fellows for the project, within 18 months from the final notification to the applicants.

If the selected applicant does not fulfill the conditions to engage into the project within one month from the final notification, CISTER/ISEP reserves the right to decide on the call cancellation (in the case of a single applicant) or consider the next applicant according to the final ranking list.

CISTER

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