

## CALL FOR RESEARCH GRANTS

### Process SMITEn03

It is open a call for one research fellowship at the “Institute of Systems and Robotics – University of Coimbra” (ISR-UC), in the framework of the project “SMITEn - Smart Meter Integrated Test Environment” (reference: SMITEn/2016/023613), project led by the “Critical Software, S.A.” company, having ISR-UC as participant, and co-financed by the “Competitiveness and Internationalization Operational Programme” (COMPETE 2020), Portugal 2020 (PT2020), and by the European Union through the European Regional Development Fund (ERDF), with the following characteristics:

**Scientific area:** Electrical and Computer Engineering, Informatics Engineering, Engineering Physics, or a related area.

**Admission requirements:** Holding a degree at the master/MSc level in the area of Electrical and Computer Engineering, Informatics Engineering, Engineering Physics, or a related area.

Preferential conditions: knowledge on real-time systems involving software and/or hardware, simulation, control, digital control, intelligent control, computational intelligence, computer programming; Knowledge in the subject area of the activity object / work plan of the fellowship.

**Work plan:** It will be performed research and development activities for the design of closed-loop smart metering simulators, with application to the domains of electricity and/or gas utilities.

**Regime:** The attribution of the fellowship does not generate or entitle a relation of a legal-labour nature, and the fellowship is undertaken in an exclusive dedication regime. The fellow is granted with the Fellow Statute of the University of Coimbra, in its current wording, according to the Statute of the Scientific Research Fellow, in its current wording, and according to the Regulation of Research Grants of the Fundação para a Ciência e a Tecnologia, I.P., also in its current wording.

**Location:** “Institute of Systems and Robotics – University of Coimbra” (ISR-UC) and Critical Software, SA. Facilities.

**Duration:** 6 months.

**Renewal:** The fellowship is eventually renewable, for one additional period of 6 months. The time periods of the fellowship (including the renewal) will be adjusted if necessary in order for the fellowship to not terminate after the end of the project (predicted to be 2019/09/30).

**Scientific Orientation:** Prof. Rui Alexandre de Matos Araújo.

**Financial conditions:** The amount of the grant is € 980,00 corresponding to the monthly compensation stipulated in the FCT table. The payment of the grant will be made by bank check or by bank transfer at the end of the month. To this value it is added the social security (Seguro Social Voluntário, first level contributions), in case the candidate chooses for its assignment, and personal accidents insurance. The financial amount of the grant will not be increased during the entire period of the fellowship.

**Selection methods:** Curricular evaluation (70%) and interview (30%) to the 10 candidates best classified in the curricular evaluation part.

In case no candidate has an adequate profile (global evaluation under 50%), the fellowship will not be granted.

**Selection and attribution criteria:** The curricular evaluation will focus on the following criteria:

1. Curricular elements presented, including the adequacy of the profile and merit of the candidate to the needs of the project = 40%;
2. Experience and knowledge in the area of the work plan and desired profile: previous experience in works and/or research and development projects related to the research and development program to be developed; knowledge on real-time systems involving software and/or hardware, simulation, control, digital control, intelligent control, computational intelligence, computer programming; Knowledge in the subject area of the activity object / work plan of the fellowship = 30%;
3. In the interview it will be valued the motivation, the commitment, the perseverance, the adequacy of the profile and merit of the candidate to the needs of the project, and the experience and knowledge in the area of the work plan and desired profile = 30%.

**Jury responsible for selection:** Professor Aníbal Traça de Carvalho Almeida, Professor Urbano José Carreira Nunes, Professor Rui Alexandre de Matos Araújo, Dr. Francisco Alexandre Andrade de Souza.

**Formalization of application:** Applications should be sent by email with the following documents and informations: (1) Letter of presentation, application and motivation; (2) Curriculum Vitae (CV) of the applicant; (3) Copy of the certificate(s) of academic qualifications with the mean overall final classification in the courses (e.g. Grade Point Average, GPA). The CV should include: (i) contact information, (ii) Academic qualifications (including, for each course, a complete list of the concluded courses/subjects/curricular units and their classifications), (iii) List of scientific publications, (iv) Main projects where the applicant has participated, and working experience, (v) other information considered relevant.

Candidates with foreign academic diplomas are obliged to present records of the equivalence/recognition of such diplomas and the conversion of the respective final notes to the

Portuguese classification scale (whenever a final classification is attributed with the foreign diploma), issued by the Directorate-General for Higher Education or by a Portuguese public higher education establishment (regulated by Decree-Law no. 341/2007, of 12 October) or, in alternative, present the document of equivalence/recognition of such foreign qualifications to the corresponding Portuguese qualifications, issued by a Portuguese public higher education establishment (regulated by Decree-Law no. 283/83, of 21 June).

**Applications submission:** Applications should be sent in PDF format by email to: [rui@isr.uc.pt](mailto:rui@isr.uc.pt).

**Submission of applications:** Between 2018/05/09 and 2018/05/22.

**Publication date:** 2018/05/08.

**Deadline for application:** 2018/05/22.

**Additional information:** The evaluation results will be announced within 90 days after the end of the applications submission deadline, by notifying the applicants via email. After the announcement of the results, candidates are considered automatically notified to, if they wish to do so, comment on the results on a preliminary hearing period within 10 days after that date. After this, the selected candidates will have to declare in writing their acceptance. Unless a justification worthy of consideration is presented, if the declaration is not submitted within the referred period, it is considered that the candidate waives the grant. In case of resignation or withdrawal of the selected candidate, the next candidate with the highest evaluation score will be notified immediately.