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For Organisations

Instituto Superior Técnico - Direção de Recursos Humanos
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Unique identifier: 3e85f95d-6757-4348-a5db-861498c36f23

English

1. Descrição do cargo/posição/bolsa
2. Job description

Job:
(24) doctoral scholarships (BD)

Job/Fellowship Reference: The doctoral programme NETSYS - (Networked Interactive Cyber Physical Systems)

Main research field: Engineering

Sub research field:

Job summary:

Doctoral program

Networked Interactive Cyber-Physical Systems (NetSys)

Call for Applications for Individual Doctoral Scholarships

The doctoral programme NETSYS - (Networked Interactive Cyber Physical Systems) was selected for funding by the Portuguese Foundation for Science and Technology, IP (FCT), which will support a total of twenty-four (24) doctoral scholarships (BD). In this 4rd and final call for application, a minimum of 6 and a maximum of 10 doctoral scholarships (BD) will be awarded, subject to approval by FCT.

Job description:

Doctoral program

Networked Interactive Cyber-Physical Systems (NetSys)

Call for Applications for Individual Doctoral Scholarships

The doctoral programme NETSYS - (Networked interactive Cyber Physical Systems) was selected for funding by the Portuguese Foundation for Science and Technology, IP (FCT), which will support a total of twenty-four (24) doctoral scholarships (BD). In this 4rd and final call for application, a minimum of 6 and a maximum of 10 doctoral scholarships (BD) will be awarded, subject to approval by FCT.

For more information about the doctoral program of NETSYS, please consult

http://netsys.larrys.pt

This Doctoral Program will grant a degree by the Instituto Superior Técnico (IST, Universidade de Lisboa). The program runs in cooperation with Carnegie Mellon University. However, the program does not award dual degrees. The doctoral program brings to the core of its activities a large number of researchers from the following institutions: Carnegie Mellon University, LARLYS (Associated Laboratory of Robotics and Systems in Engineering and Science) that participates via the Institute for Systems and Robotics (ISR) and the Madeira Interactive Technologies Institute (M-ITI), INESC-ID, and the Champalimaud Foundation.

The doctoral programme (240 ECTS) will start with a curricular part (90 ECTS), followed by research leading to a doctoral dissertation. Scholarship holders will select a research project/advisor prior to the start of the 4th semester and will begin their research at that point.

Students must enrol in one of two accredited doctoral programs at IST (PhD in Electrical and Computer Engineering or PhD in Information Systems and Computer Engineering) no more than 60 days after their scholarships have been awarded.
In the framework of this call, the Directive Board (DB), composed by the Program Director and one representative from each participating institution, will appoint a Selection Committee (SC), which will be responsible for selecting the students that will receive the scholarships funded by FCT. The scholarship contracts will be signed directly with FCT. The SC will be composed by the Program Director and one representative of each of the participating institutions that carry out research and teaching activities simultaneously.

Thus, in accordance with the Research Scholarship Holder Statute, published by Law no. 40/2004 of August 18, in its current wording, and the Regulations for Fellowships and Scholarships of FCT, the DB of the program hereby opens this call for at least 6, and up to a maximum of 10 individual scholarships, subject to approval by FCT. The top 3 candidates selected will be awarded mixed (national/international) scholarships. In the latter case, the candidates will be given the opportunity to spend up to 1 year pursuing research work at an institution different from the one that will award the doctoral degree.

DOCTORAL SCHOLARSHIPS (BD)
The scholarships are intended for individuals who meet the requirements set forth in Article 30, paragraph 1, of Decreto-Law 74/2006, of 24 March, as amended by Decreto-Law No. 107/2008 of June 25, and 230/2009 of September 14, and also amended by Decreto-Law 115/2013, of 7 August and Decreto-Law nº 83/2016 of September 13. These scholarships have a one year duration, renewable for up to a total of four years, and not of less than three consecutive months.

CANDIDATES
The basic requirement for admission in the doctoral programme is that the applicants hold a recognized Master's degree in engineering or science (with 300 ECTS or more). Exceptionally, other candidates with outstanding academic curricula (with 180 ECTS or more) can be admitted.

For admission to the program, the candidates must also have a grade point average of at least 15 points on a scale of 20 (B or 75%), or the equivalent. If requested, candidates must demonstrate that their degree is equivalent to the degree required for the application, and provide official recognition documents translated/written in English.

Because English is the official language of the doctoral programme, a minimum level of fluency in English communication is required, as documented by standardized tests or interview. The selected candidates, after being offered admission, must agree to enrol in the Doctoral Programme and remain engaged in the programme for a minimum period of 3 years.

The following individuals may apply to this program:

- Portuguese citizens, or citizens of other European Union member states;
- citizens of other countries who hold permanent residence permits in Portugal or who hold the status of long-term resident, under the terms of Law 23/2007 of July 4, amended by Law no. 29/2012 of August 9;
- citizens of other countries with whom Portugal holds reciprocity agreements;
- citizens of other countries, through a preliminary personal interview.
- Only Portuguese citizens or citizens of other countries that hold the status of long-term residents in Portugal may apply for scholarships for which the corresponding work programs include partial stays abroad.

PERIOD OF APPLICATION
The call is open from 14 until January 31, 2019, 17:00 hours GMT.

APPLICATION PROCESS
Applications are submitted through the IST doctoral programs online platform. For detailed information please visit: http://netsys.larins.pt/. The application must include the following components:

- Application form duly completed;
- Copy of ID document / passport, title of permanent residence, and tax card (if applicable);
- Curriculum vitae. It is mandatory to use the model available at the submission website: http://netsys.larins.pt/;
- Certified transcripts showing all academic degrees awarded, with final grade and grades for all courses taken (in English or Portuguese);
- Letter of intent (cover letter), describing the interest of the candidate in the domains of the PhD programme, personal aims and research topics of interest;
- Reference letters – each candidate must supply at least 2 reference letters.

Candidates must have obtained their academic degree by the closing date of the call in order to be eligible.

If the degrees have been obtained in a foreign institution, candidates must submit proof of recognition of the respective certificates, as per Decreto-Lei n.º 341/2007, de 12 de Outubro, or in alternative seek and obtain equivalence of their degrees, as per Decreto-Lei n.º 283/85, de 21 de Junho. For more information about this process please check http://www.dges.mctes.pt/DGES/pt. Candidates must have obtained their academic degree recognition or equivalence process by the closing date of the call in order to be eligible.

EVALUATION
The evaluation of the applications is performed in two phases carried out through the analysis of the documents submitted yielding an ordered list of the candidates.

First phase - The SC will analyse and evaluate the applications: the candidates’ selection will be based on an objective evaluators that will take into account the criteria and weights - defined in a preparatory meeting of the SC – that must necessarily include the following:

- Academic achievements [final classification and main area of the previous degree(s), as well as the school in which it (they) was (were) obtained] - 60%.
- Relevant scientific activities (e.g. participation in research projects, authorship of journal and conference papers, patents, among others) and relevant professional experience (related to the programme’s scope) – 20%
- Motivation [based on the statement of purpose and reference letters] – 20%

Second phase - The 10 candidates ranked the highest in the first phase will be individually interviewed by a minimum of 2 members of the SC (in person or via video conferencing) in order to assess the knowledge, specific technical skills, motivation, and communication skills in English of the applicants in question. The final ranking score will be a combination of the shortlist grade (75%) and the interview grade (25%).

The number of selected candidates may be less than the number of scholarships available, depending on their overall merit. Awarding of the scholarships to the candidates selected is contingent to their acceptance by the DB of NETSys, the institution that will grant the PhD degree, and FCT.

PUBLICATION OF RESULTS

The results of the selection process will be communicated via email to all candidates, and the list of approved applicants will be available at http://netsys.ipv.pt/. In the case of an unfavourable award decision (i.e. for applicants not selected to receive scholarships), the applicant has a period of 10 days after disclosure to be heard by the SC by request of a preliminary hearing, pursuant to the Portuguese Código do Processamento Administrativo. The final decision may be appealed to the Fundação para a Ciência e Tecnologia, IP, within 15 days of notification of the decision.

FINANCING

The scholarships awarded under this contract will be financed by funds from the State Budget of the Ministry of Education and Science and, when eligible, by funds from the European Social Fund through the Programa Operacional during the period 2014-2020, from Portugal 2020, namely, the Programa Operacional Tempórico do Capital Humano, the Programa Operacional Regional do Norte, da Centro or da Alentejo, in accordance with the provisions of their specific regulations.


The NETSys Directive Board

Lisbon, December 28, 2018

Vacant posts: 0

Type of contract: Information not available

Job country: Portugal

Job city: Lisboa

Job company/institute: Instituto Superior Técnico

Application deadline: 31 January 2019

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

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2. Dados de contatos da organização
2. Organization contact data

Organization/institute: Instituto Superior Técnico - Direção de Recursos Humanos

Address:
Instituto Superior Técnico, Av. Rovisco Pais
Lisboa - 1049-001 Lisboa
Portugal

Email: drh@drh.tecnico.ulisboa.pt
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