Job offer

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LIP - Laboratório de Instrumentação e Física Experimental de Partículas | Posted on: 30 October 2024

Opening of an International Selection Tender Procedure for Doctorate Hiring

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30 Oct 2024

Job Information

Organisation/Company	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Department	LISBON
Research Field	Computer science Physics Engineering » Computer engineering Other
Researcher Profile	Recognised Researcher (R2)
Positions	Postdoc Positions
Country	Portugal
Application Deadline	15 Nov 2024 - 17:00 (Europe/Lisbon)
Type of Contract	Temporary
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1 Dec 2024
Is the job funded through the EU Research Framework Programme?	Horizon Europe - ERC

Reference Number	FARE, Fake News and Real People - Grant Agreement: 853566
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

The Laboratory of instrumentation and Experimental Particle Physics (LIP) is opening a selection tender for one vacancy for doctorate – **Junior Researcher** – to perform research in the scientific area of scientific subject of Computational Social Sciences, in the framework of the project "FARE, Fake News and Real People", Grant Agreement 853566, funded by the European Research Council (ERC).

The candidate will be hired under a **non-fixed term work contract**, pursuant to the dispositions of articles 6(1) b)) and 7 of the Decree-Law no. 57/2016 of 29th August, updated by the Law nº 57/2017, of 19th July and to the Labour Code, under its current reading.

The recruited candidate will integrate a multidisciplinary and diverse research team and a collegial and collaborative environment.

The candidate should have a PhD degree in computer science, network science, informatics, mathematics, physics, or a related quantitative field, and must have experience with Modelling and Statistical Analysis. Expertise with computational analysis tools such as MATLAB, Mathematica or Python is required. The candidate must have previous experience working on complex systems, complex networks, and social network analytics.

Workplan:

Recent events have raised serious concerns about the influence of the so-called fake news. FARE will enrich current efforts, which mostly confront fake news spreading from an applied perspective, by offering a *theoretical framework* that allows us to make *testable predictions*. FARE argues that sharing of fake news is a deviation from pure rationality and aims at understanding:

1. What are the role(s) that cognitive biases play in fake news susceptibility and spread?
2. What are the role(s) that network features play in fake news dynamics?
3. How do cognitive biases and network features interact to impact on fake news spread?
4. How can we tackle such questions in an ethical and society-focused manner?

The project will be developed in six main tasks:

1. Fake news Extraction and Classification;
2. Behavioural Framework and Cohort Creation;
3. Social Networks Dataset Development and Analytics;
4. Theoretical Framework Development and Testing;
5. New Tools for the Ethical Handling of Big Data;
6. Expert Panels and Results Dissemination.

This is an interdisciplinary project and the selected candidate will be participating in all tasks of this project (with a particular emphasis in Tasks 3 and 4), together with several members of the group, and is expected to be part of other research activities, such as journal club discussions and group meetings.

Application:

Candidates can apply by sending the following documents (in English):

a) Motivation letter

b) Detailed Curriculum Vitae

c) Certificate or diploma copy, including recognition of foreign diploma, if applicable

d) Contacts of 2 references who have supervised or worked directly with the candidate

e) Other documents the candidate considers relevant for their application

Where to apply

E-mail	natalia@lip.pt

Requirements

Research Field	Computer science
Education Level	PhD or equivalent

Skills/Qualifications

Main Research Field: Data Science

Expertise with computational tools such as MATLAB, Mathematica or Python. The candidate must be fluent in English and be able to use it in a professional setting.

Specific Requirements

The candidate should have research experience in Theoretical Modelling and/or Statistical Analysis of large datasets.

Languages	ENGLISH
Level	Excellent
Research Field	Other
Years of Research Experience	4 - 10

Additional Information

Benefits

Gross monthly remuneration (before tax and social security contributions) starts at **2294,95 Euros**, as defined by article 15 (1) of the Law nº 57/2016 of 29th August updated by the law 57/2017, of 19th July, corresponding to level 33 of the National Remuneratory Table. This amount can be adjusted according to the experience of the selected candidates.

Eligibility criteria

Any national, foreign, or stateless candidates who hold an academic or professional curriculum whose profile is suited for the activity to be performed can submit their applications.

All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this tender are excluded from admission. In case of doubt, the panel is entitled to request any candidate to present further documentation supporting his/her statements. False statements provided by the candidates shall be punished by law.

In the event the doctorate degree was awarded by a foreign higher education institution, the degree must comply with the provisions of Decree-Law no. 341/2007 of 12th October by the application deadline.

Selection process

Pursuant to article 13 of RJEC, the tender selection panel shall be formed by:

- Joana Gonçalves de Sá (LIP)
- Lília Perfeito (LIP)
- Nuno Castro (LIP)
- Paulo Almeida (LIP)

As stipulated in article 5 of RJEC, the selection is based on the evaluation of the scientific and curricular career of the candidates admissible. The evaluation focuses on the relevance and quality of:

1. Scientific and technological production, in the last 5 years, deemed most relevant by the candidate;
2. Research activities, experimental and applied work, in the last 5 years, deemed most impactful by the candidate;
3. Knowledge extension and dissemination activities, namely under the scope of the promotion of culture and scientific practices, in the last 5 years, deemed most relevant by the candidate.

The five-year period mentioned above can be extended by the panel, if requested by the candidate, whenever the suspension of scientific activities is reasoned by socially protected grounds, like paternity/maternity leave, long-term serious illness, and other legal situations of unavailability for work.

Evaluation criteria are the following:

Evaluation of the CV and motivation letter of the candidates, namely their scientific merit and research capabilities as demonstrated by the diffusion of the scientific results achieved and by the participation in research projects in scientific fields relevant for the proposed work program

Each member of the panel will value the criteria for each candidate, considering the requirements of the duties to be performed, the adequacy of previous experience, his/her relationship to the relevant areas and sub-areas.

The selection will consider the applicant's Curriculum Vitae (60%) and their motivation letter (40%).

High-ranking candidates might be called for an interview, and the final decision will be based on the interview score alone. Recommendation letters will be used to decide between similarly ranked candidates.

The panel shall deliberate by means of roll-call vote justified under adopted and disclosed selection criteria, with no abstentions allowed.

After applying the selection criteria, the panel will prepare an ordered list of the approved candidates and their corresponding classification. In case none of the candidates can demonstrate suitable skills or background, the panel will not select any candidate.

The panel's final decision is validated by the head of the institution, who is also responsible for the hiring.

Both the admitted and excluded candidate list and the final classification list shall be sent by email to all candidates.

Preliminary Hearing and Final Decision Deadline: Pursuant to article 121 of the Administrative Procedure Code, all candidates have 10 working days to respond upon notification. Panel's final decisions are pronounced within a period of 90 days from the application deadline.

Additional comments

Applicable Legislation:

- Decree-Law no. 57/2016 of 29th August, which approved the doctorate hiring regime destined to stimulate scientific and technological employment for all knowledge areas (RJEC), updated by the Law nº 57/2017, of 19th July.
- Labour Code approved by Law no. 7/2009 of 12th February, under its current reading

This tender is exclusively meant to fill the vacancy and can be terminated at any time until approval of final candidate list, and expires with the respective

occupation of said vacancy.

Non-discrimination and equal access policy: LIP actively promotes a nondiscrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Pursuant to article 3 (3) of Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.

Website for additional job details	https://www.lip.pt/?section=about&page=recruitment

Work Location(s)

Number of offers available	1
Company/Institute	LIP - Laboratório de Instrumentação e Física Experimental de Partículas
Country	Portugal
State/Province	LISBON
City	LISBON

Geofield

Contact

City	LISBON
Website	http://www.lip.pt
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E-Mail	natalia@lip.pt

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