Post-Doctoral Research Fellowships

Applications are open for 2 Post-Doctoral Research Fellowships, within the framework of project/R&D institution (Sharp inequalities and critical problems in Harmonic Analysis, Dispersive and Elliptic equations/Center for Mathematical Analysis, Geometry and Dynamical Systems, (LISBOA2030-FEDER-00786900), financed by national funds through FCT/MCTES (PIDDAC, under the following conditions:

Scientific Area: PhD in Mathematics or in a related area.

Admission Requirements:
a) *to hold a PhD degree obtained in the 3 years previously to the submission of the fellowship application;*
b) *to have carried out the research work that led to the PhD degree in a different entity from the host institution of the fellowship;*
c) *Not to exceed, with this fellowship contract, including the possible renovations, an accumulated period of 3 years in this type of fellowship, continuously or with interruptions;*
d) *Not to have previously held a post-doctoral fellowship from IST-ID.*

Workplan: SHADE will address the resolution of open conjectures at the interface of harmonic analysis, dispersive and elliptic PDE, from sharp restriction theory, constructive stability and sharp regularity thresholds to blowup and singular analysis. The postdocs will join a team of seven researchers, three students and twelve international consultants.

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; FCT Regulation for Research Studentships and Fellowships, available on https://dre.pt/application/file/a/127230968.

Workplace: The work will be developed at Center for Mathematical Analysis, Geometry and Dynamical Systems of Instituto Superior Técnico, under the scientific supervision of Diogo Oliveira e Silva.

Duration: The research fellowships will have the duration of 24 months. They are expected to begin in April 2026 (negotiable), and cannot be renewed.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/fct-atualizou-o-valor-das-bolsas-para-2025), the amount of the monthly maintenance allowance is € 1851, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: CV, research statement and up to 3 recommendation letters, with equal weights, followed by a possible individual interview (Zoom).

Composition of the selection Jury: Diogo Oliveira e Silva, Simão Correia, Hugo Tavares

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision within 15 working days, or an appeal to the Executive Board of IST-ID within 30 working days, both counted from the respective notification

Application deadline and formalization: The call is open from January 15 until February 14, 2026.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados); ii) *Curriculum Vitae*; iii)

academic degree certificate; iv) research statement; v) declaration on honour that the applicant does not exceed with this contract an accumulated period of three years in this type of fellowship, continuously or with interruptions, within the technological and scientific system, and that the research work that led to the PhD degree was carried out in a different entity from the host institution of the fellowship.

Applications must be submitted to the email: diogo.oliveira.e.silva@tecnico.ulisboa.pt

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