

(BL155/2023-IST-ID)

Post-Doctoral Research Fellowships

Applications are open for two (2) Post-Doctoral Research Fellowships, within the Centre for Mathematical Analysis, Geometry and Dynamical Systems (CAMGSD), UIDP/04459/2020, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Mathematics

Admission Requirements: PhD in Mathematics or in a related area.

- a) *to hold a PhD degree obtained in the period of three (3) years prior to the closing date of this call;*
- b) *to have carried out the research work that led to the PhD degree in an entity different 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 with IST-ID.*

Workplan: development of specific activities of scientific research within the pluriannual funding of the project CAMGSD (UIDP/MAT/04459/2020) and in the areas of differential equations and dynamical systems, or mathematical analysis and operator theory, or geometry and topology including mathematical physics.

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 at <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be carried out at the Center for Mathematical Analysis, Geometry and Dynamical Systems of Instituto Superior Técnico, under the scientific supervision of one of its integrated members.

Duration: Each research fellowship has the duration of 12 months. The appointment is expected to begin in September 2023. The fellowship contract cannot be renewed.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf), the amount of the monthly maintenance allowance is €1741, the payment options being Wire Transfer or Check.

Selection methods: The selection is based on the following criteria: curricular and scientific evaluation (50%), letters of recommendation (30%), motivation letter and scientific project proposal in the areas of differential equations and dynamical systems, or geometry and topology, including mathematical physics and string theory (20%). A candidate will only be eligible if he/she receives a total score above 60 points (scale 0–100) by a majority of the members of the Selection Committee.

Composition of the Selection Committee: the committee will be composed of the following members of CAMGSD, all professors at IST: Carlos Rocha, Pedro Resende, João Pimentel Nunes, Juha Videman and 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 May 29 until June 16, 2023.

It is mandatory to formalize applications in portuguese or english with the submission of the following documents:

i) B1 Form – Fellowship application (<https://ist-id.pt/concursos/bolsas/>);

ii) *Curriculum Vitae*;

iii) academic degree certificate;

iv) two letters of recommendation;

v) motivation letter;

vi) scientific project in the areas of differential equations and dynamical systems, or mathematical analysis and operator theory, or geometry and topology including mathematical physics;

vii) declaration on honor 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 not carried out in the host institution of the fellowship.

Applications must be submitted to the email camgsd@math.tecnico.ulisboa.pt, with the reference of this call in the subject line. The recommendation letters can be included in the application or submitted directly to the committee by the author indicating in the subject line the reference of this call and the candidate's name.

Failure to provide any of the documents i)-vii) will cause the exclusion from this call.