

Research Studentships (Master or Integrated Master students)

Applications are open for 2 Research Studentships, within the CEMAT - Center for Computational and Stochastic Mathematics (IST-ID), UIDP/04621/2020, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Mathematics (Applied and Numerical Analysis)

Admission Requirements: *To be enrolled at an integrated master or a master.*

Workplan: Mathematical modeling, numerical analysis and simulation of engineering, physics or biomedical problems described by differential and/or integral equations. The results obtained will be the basis of the scholarship holder's master's thesis.

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://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at Center for Computational and Stochastic Mathematics (CEMAT) of Instituto Superior Técnico, under the scientific supervision of Professors Adélia da Costa Sequeira dos Ramos Silva, Ana Leonor Mestre Vicente Silvestre, Erida Gjini, Jorge Filipe Duarte Tiago, Maria Teresa Romãozinho Marques Diogo or Pedro Miguel Rita da Trindade e Lima

Duration: The research fellowships will have the duration of 6 months. It's expected to begin in February 2023 and may not be renewed.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is € 835,98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation, individual interview* (only for the top four candidates) with the respective weight of 70% and 30%.

Composition of the selection Jury: the committee will be composed of the following members of CEMAT, all professors at IST: Ana Leonor Mestre Vicente Silvestre, Maria Teresa Romãozinho Marques Diogo e Pedro Miguel Rita da Trindade e Lima.

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 11 until January 24, 2023.

It is mandatory to formalize applications 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, where

applicable; iv) proof of enrollment at an academic degree course (Master, Integrated Master); v) motivation letter.

Applications must be submitted to the email: ana.silvestre@math.tecnico.ulisboa.pt