

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0202 (CESE-Geral - CESE) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING Sub: Industrial engineering

Job summary:

INESC TEC is accepting applications for 2 RESEARCHER job in the Simulation - Optimization

Scientific Advisor:	Romão Filipe Santos
Duration of the contract:	from 2022-09-01 to 2023-08-31, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Simulation - Optimization

Project overview: Integration in the operations management and decision support team of CESE at INESC TEC; The main focus will be the development of simulation and optimization models (exact and approximate methods).

Objectives: - To collaborate in the preliminary studies and definition of the requirements/specifications of the solutions to be developed; - To participate in the development of these solutions; - To test and validate the solutions developed; - To participate in the production of the project's deliverables.

Academic Qualifications:	Master's degree in Electrical and Computer Engineering (specialization in Industrial Management) or related field;
Minimum profile required:	Minimum experience of 6 months in the development of simulation and optimization models; Experience in software development using Java and/or Python language; Master's average higher than 14.
Preference factors:	Experience in developing simulation models in FlexSim and/or Anylogic. Experience in linear programming models and heuristic/meta-heuristic development using Java or Python. Previous work experience.

Funding Entity:

Type of contract: fixed-term contract

The hiring shall be governed by what is stipulated in the legislation in force regarding fixed-term employment contracts and by INESC TEC norms.

Selection criteria:	The selection of the candidates will be based on the following criteria, in descending order of consideration: a) Relevant Curriculum in the concerned field of this tender b) Proven experience.
Selection Jury:	President of the Jury: Prof. António Henrique Almeida; Member: Prof. Jorge Pinho de Sousa; Member: Prof. José Soeiro Ferreira;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-07-06 to 2022-07-19
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us