

## CALL FOR APPLICATIONS: RESEARCHER

### Job/position/grant:

<b>Job reference:</b>	AE2020-0097 ( TRF4p0 - CESE ) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Job/position/grant:</b>	
<b>City:</b>	Porto
<b>Research field:</b>	Main: INFORMATION SCIENCE Sub: Information management

### Job summary:

**INESC TEC is accepting applications for 1 job in the Knowledge-Based Engineering; Digital-Twin area.**

<b>Project:</b>	TRANSFORMER4.0: DIGITAL REVOLUTION OF POWER TRANSFORMERS
<b>Scientific Advisor:</b>	António Lucas Soares
<b>Duration of the contract:</b>	from 2020-09-01 to 2021-08-31
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

**Work Area:** Knowledge-Based Engineering; Digital-Twin

**Project overview:** The specific activities to be developed are: Participation in the specification of the high-level requirements for the Transformer 4.0 in terms of its digital-twin, Knowledge-Based Engineering (KBE) processes and tools, Digital-Twin based lifecycle management, Digital-Twin based innovation processes and transformer additive manufacturing; Development of a methodology for knowledge capture and design collaboration and coordination processes for KBE and contributions for the development of design guidelines for socio-technical optimization. Participate in a study about the appropriation of the Digital-Twin technology by industrial companies;

**Objectives:** Participation in research activities of the project Transformer4.0 (2020-2023), a flagship project of the MIT-Portugal program. The grant holder will be involved in a team of researchers from INESC TEC, Efacec, INEGI and MIT.

<b>Academic Qualifications:</b>	Master's Degree in Information Science, Information Systems, or similar.
<b>Minimum profile required:</b>	Experience in knowledge management in organizations; Use of Knowledge-Based Engineering concepts; Mastering of the digital-twin concept; Experience in developing information architectures. Fluency in the english language, (spoken and written).
<b>Preference factors:</b>	Previous participation in R&D projects. Scientific publications in the area.

<b>Funding Entity:</b>	ANI (POCI-01-0247-FEDER-045926)
<b>Type of contract:</b>	Certain Term
The hiring shall be governed by what is stipulated in the legislation in force regarding fixed individual employment contracts, as well as by the internal rules of INESC TEC, considering the regulations on the funding of R&D units for 2020-2023.	

<b>Selection criteria:</b>	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.
<b>Selection Jury:</b>	President of the Jury: Prof. António Lucas Soares ; Member: Prof. Ricardo Teixeira Sousa ; Member: Prof. João Pedro Pedrosa ;
<b>Notification of results:</b>	The results of the selection process will be sent to the interested by electronic mail.
<b>Application period:</b>	From 2020-07-21 to 2020-08-03
<b>Application submission:</b>	Electronic form filling in <a href="http://www.inesctec.pt">www.inesctec.pt</a> in the section <a href="#">Work with Us</a>