

## CALL FOR APPLICATIONS

### Job:

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| <b>Job reference:</b>  | AE2017-0101 (ESGRIDS - CPES)<br>INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência |
| <b>Position:</b>       | Post-Doc Grants (BPD)  |
| <b>City:</b>           | Porto  |
| <b>Research field:</b> | Main: ENGINEERING<br>Sub: Electrical engineering   |

### Job summary:

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| <b>INESC TEC is accepting applications to award 1 Postdoctoral Grant</b> |   |
| <b>Project:</b>  | Enhancing smart GRIDs for sustainability  |
| <b>Scientific Advisor:</b>   | Ricardo Jorge Bessa   |
| <b>Duration Grant:</b>   | from 2017-05-15 to 2018-05-14 (12) - Eventually renewable until the project conclusion or budget. |
| <b>Location:</b>   | INESC TEC, Porto, Portugal  |

### Job description:

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| <b>Work Area:</b>        | Power Systems   |
| <b>Project overview:</b> | The ESGRIDS project aims at developing new solutions to meet the challenges of future power systems. A multidisciplinary approach will be followed to address the challenges of the main actors of the electrical power system: end-users, DSO/TSO and market agents. The Grant Holder will work on the development of methodologies to address the uncertainties regarding retailers/DSO costs and revenues. |
| <b>Objectives:</b>       | Design of network tariffs that reflect local grid conditions, covering MV and LV levels, Development of stochastic optimization algorithms for smart grids with spatial-temporal uncertainty,   |

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| <b>Academic Qualifications:</b>  | PhD in Electrical Engineering or equivalent.  |
| <b>Minimum Profile required:</b> | - Knowledge on topics related with power system operation and optimization;<br>- Knowledge on topics related with electricity markets operation;<br>- Good programming skills;  |
| <b>Preference factors:</b>       | Experience with modelling of ancillary services markets; Journal publications about the application of optimization methods to engineering areas.   |
| <b>Monthly Grant:</b>            | €1495,00 according to the Stipends values of the grants awarded directly by the FCT, paid by bank transfer.<br>The grant holder can receive additional payments by participating in complementary contracts or projects that contribute to the work plan (Clauses 12 and 13 of INESC TEC Grants Regulation and Annex II), in accordance with paragraph 4 of article 5 of Research Grant Holder Statute, approved by Law nº 40/2004, dated 18 August, up to a maximum of 50% of the monthly grant. |

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| <b>Project duration:</b>  | 2017-01-01 a 2019-12-31         |
| <b>Funding Entity:</b>  | FCT (POCI-01-0145-FEDER-016434) |
| The grant contract shall be submitted to the legislation concerning the Research Grant Holder Statute , approved by Law n 40/2004, dated 18 August, amended and republished by Decree-Law No. 202/2012 of 27 August and amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of July 9 as well as by INESC TEC Grant Regulation , approved by FCT - Fundação para a Ciência e a Tecnologia (Science and Technology Foundation) in 12 January 2011 and FCT current Grant Regulation.<br>Additional information about <a href="#">INESC TEC Grants Regulation</a> and relating annexes may be found at <a href="http://www.inesctec.pt/grants">www.inesctec.pt/grants</a> |                                 |

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| <b>Selection Criteria:</b>      | Curriculum evaluation based on the criteria referred to in Clause 7º <a href="#">INESC TEC Grants Regulation</a> and will include individual interviews in the final stage of the selection process, with its valuation: 90% curriculum evaluation (40% CV, 30% scientific domains and 20% Expertise) and 10% interview. |
| <b>Selection Jury:</b>          | President of the Jury: Prof. Ricardo Jorge Bessa;<br>Permanent Member: Prof. David Emanuel Rua;<br>Substitute Member: Prof. Clara Gouveia;   |
| <b>Notification of results:</b> | The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of <a href="#">INESC TEC Grants Regulation</a> .   |
| <b>Application period:</b>      | From 2016-04-20 to 2017-05-13  |
| <b>Application submission:</b>  | Fill in the electronic form in the section <a href="#">Work with Us</a> at <a href="http://www.inesctec.pt">www.inesctec.pt</a>  |

