

CALL FOR APPLICATIONS

Job:

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| Job reference: | AE2016-0386 (ESGRIDS - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência |
| Position: | Post-Doc Grants (BPD) |
| City: | Porto |
| Research field: | Main: ENGINEERING Sub: Electrical engineering |

Job summary:

INESC TEC is accepting applications to award 1 Postdoctoral Grant

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| Project: | Desenvolvimento sustentável da rede elétrica inteligente |
| Scientific Advisor: | Filipe Joel Soares |
| Duration Grant: | from 2017-02-01 to 2018-01-31 (12) - Eventually renewable until the project conclusion or budget. |
| Location: | INESC TEC, Porto, Portugal |

Job description:

Work Area: Power Systems

Project overview: 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.

Objectives: Evaluate the loss of revenue in the retailing business and propose a set of new services, e.g. participation of DSM in capacity markets; Analyse potential regulatory changes to recover DSO costs and induce efficient operation of the distribution system;

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| Academic Qualifications: | PhD in Electrical Engineering. |
| Minimum Profile required: | Knowledge on topics related with power system operation and control; Knowledge on topics related with electricity markets operation; Good programming skills C ++/Python/Java Fluency in English |
| Preference factors: | Experience with power system simulation tools; Experience in the application of optimization methods to engineering areas. |
| Monthly Grant: | €1495 according to the Stipends values of the grants awarded directly by the FCT, paid by bank transfer. 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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| Project duration: | 2017-01-01 a 2019-12-31 |
| Funding Entity: | FCT (POCI-01-0145-FEDER-016434) ERDF - European Regional Development Fund through the Operational Programme for Competitiveness and Internationalisation - COMPETE 2020 Programme, and by National Funds through the FCT - Fundação para a Ciência e a Tecnologia (Portuguese Foundation for Science and Technology) within project 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. Additional information about INESC TEC Grants Regulation and relating annexes may be found at www.inesctec.pt/grants |

Selection Criteria: Curriculum evaluation based on the criteria referred to in Clause 7º [INESC TEC Grants Regulation](http://www.inesctec.pt/grants) 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. The interview will be held to the three best candidates in the curricular evaluation.

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| Selection Jury: | President of the Jury: Prof. Filipe Joel Soares; Permanent Member: Prof. Manuel Matos; Substitute Member: Prof. André Guimarães Madureira; |
| Notification of results: | The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of INESC TEC Grants Regulation . |
| Application period: | From 2017-01-05 to 2017-01-25 |
| Application submission: | Fill in the electronic form in the section Work with Us at www.inesctec.pt |

