

INESC TEC | Research Grant (AE2024-0189)
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=236258>

Downloaded On: Jul. 3, 2024 3:46am

Posted May 17, 2024, set to expire Sep. 16, 2024

Job Title	INESC TEC Research Grant (AE2024-0189)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	May 17, 2024
Application Deadline	Jun. 13, 2024
Position Start Date	May 19, 2024
Job Categories	Graduate Student
Academic Field(s)	Electrical and/or Electronics Engineering - Other
Apply Online Here	https://www.inesctec.pt/en/form/notice/4885
Apply By Email	
Job Description	

Optimization, Data Modeling, Business Models

Work description

- Maintain a catalogue with new business models (BM) ideas under Renewable Energy Communities context;
- Explore methodologies of evaluation of the different business models in line with the state of the art, such as Cost Benefit Analysis (CBA) with well-defined output metrics (quantitative, qualitative, financial, and non-financial metrics);
- Formulate and apply optimization algorithms to the different problems identified in each BM;

INESC TEC | Research Grant (AE2024-0189) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=236258>

Downloaded On: Jul. 3, 2024 3:46am

Posted May 17, 2024, set to expire Sep. 16, 2024

- Produce a technical report with the findings and corresponding documentation.

Minimum profile required

- Knowledge of programming in Python and/or optimization software- Master's degree (or nearing completion) in Engineering, Mathematics or Management or related fields
- Ability to work autonomously or integrated in a team
- Fluency in English (written and spoken).

Preference factors

- Experience in applying CBA methodologies.
- Knowledge and experience with optimization
- Knowledge of Renewable Energy Communities (REC) operation
- Knowledge of operation of REC main assets (Heat Pump, Storage, PV panels, EV chargers etc..)
- Knowledge of Portuguese would be a plus.

Maintenance stipend: € 990,98 or 1259,64, according to the table of monthly maintenance stipend for FCT grants , paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the Regulations for Grants of INESC TEC and Annex II), up to a maximum limit of 50% of the monthly maintenance stipend. INESC TEC supports costs with registration, enrolment or tuition fees, during the grant duration, under the terms established in the internal document: "Payment of Tuition fees to grant holders".

Application Period

Since 16 May 2024 to 13 Jun 2024

Centre

Power and Energy Systems

Scientific Advisor

Alexandre Lucas

INESC TEC | Research Grant (AE2024-0189) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=236258>

Downloaded On: Jul. 3, 2024 3:46am

Posted May 17, 2024, set to expire Sep. 16, 2024

What we offer

- **Multicultural and collaborative environment**

A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.

- **International projects**

The possibility of working in international projects with some of the most important companies in the field.

- **Mentoring**

Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.

- **Self Improvement**

The possibility of participating in international conferences, workshops, seminars and vocational training.

- **Other Benefits and Perks**

Flexible working time, health insurance, discounts in hotels, transportation, etc.

- **Informal Events**

Annual informal events, such as the multicultural party.

For more information: Click [Here](#)

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

Contact E-mail rh@inesctec.pt