

## INESC TEC | Research Grant (AE2024-0244) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=239306>

Downloaded On: Jul. 16, 2024 8:36am

Posted Jul. 11, 2024, set to expire Nov. 10, 2024

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0244)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Jul. 11, 2024
<b>Application Deadline</b>	Aug. 11, 2024
<b>Position Start Date</b>	Jul. 11, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/opportunities/computer-science-engineering-apis-developer-AE2024-0244#intro">https://www.inesctec.pt/en/opportunities/computer-science-engineering-apis-developer-AE2024-0244#intro</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunity

### **Computer Science Engineering - APIs developer**

#### **Work description**

- Identify and select the physical models that will serve as the basis for developing the energy consumption models;
- Development of the algorithms that will allow the modelling of the consumption of the different

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- assets and equipment that support the ports' logistics activities,
- Python implementation of the developed algorithms,
- Supporting the integration of the modules developed into energy management platforms and tools for ports,
- Prepare a scientific report on activities and write scientific articles.

### Minimum profile required

- Basic knowledge of energy systems, namely demand models for different sectors and integration with decarbonized energy vectors;
- Knowledge of the Python programming language, or similar;
- Fluency in English (written and spoken);

### Preference factors

- Experience in developing energy consumption models for different sectors;
- Programming experience in Python, or similar;
- Knowledge of decarbonization plans at European and national level.

**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".

The grant holder will benefit from health insurance, supported by INESC TEC.

### Application Period

Since 11 Jul 2024 to 11 Aug 2024

### Centre

Power and Energy Systems

### Scientific Advisor

[Tiago André Soares](#)

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### 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