

## INESC TEC | RESEARCHER (AE2024-0235) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=238323>

Downloaded On: Jun. 30, 2024 10:33am

Posted Jun. 28, 2024, set to expire Oct. 28, 2024

<b>Job Title</b>	INESC TEC   RESEARCHER (AE2024-0235)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Jun. 28, 2024
<b>Application Deadline</b>	Jul. 27, 2024
<b>Position Start Date</b>	Jun. 27, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Electrical and/or Electronics Computer Engineering Engineering - Other
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/opportunities/power-systems-AE2024-0235#intro">https://www.inesctec.pt/en/opportunities/power-systems-AE2024-0235#intro</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunity

**Power Systems**

### **Work description**

We are looking for an Embedded Systems Software Developer to join the Smart grid and electric vehicle laboratory (SGEVL). The professional will be responsible for specifying, implementing, and

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testing software for embedded systems, including programming microcontrollers to control the convertor system developed in the laboratory, he will work on hardware and software integration, ensuring the reliability and efficiency of the developed systems.

### **Academic Qualifications**

Bacharel or Master electrical and computer engineering; electronics; power electronics; energy systems; other related

### **Minimum profile required**

- Experience in embedded systems, programming microcontrollers such as Raspberry Pi and MCUs from Texas Instruments and STM.
- Proficiency in programming languages such as C, C++, and Python.
- Knowledge of common communication protocols in embedded systems, such as I2C, SPI, UART, and CAN.
- Experience with development and debugging tools.
- Familiarity with real-time operating systems (RTOS) and firmware development.

### **Preference factors**

- Experience with communication standards for electric vehicles such as OCPP and ISO15118. - Experience in IoT (Internet of Things) projects and integration of sensors and actuators.
- Knowledge of PCB design and experience with CAD tools for hardware design.
- Fluency in English (written and spoken).

### **Application Period**

Since 27 Jun 2024 to 27 Jul 2024

### **Centre**

Power and Energy Systems

### **Scientific Advisor**

[Justino Miguel Rodrigues](#)

### **What we offer**

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- **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