

**INESC TEC | Research Grant (AE2024-0507)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=249786>

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Posted Dec. 2, 2024, set to expire Mar. 31, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0507)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Dec. 2, 2024
<b>Application Deadline</b>	Dec. 28, 2024
<b>Position Start Date</b>	Nov. 28, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Mechanical Engineering Engineering - Other
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<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunities

**Mechanical Engineering Decarbonizing industry**

**Work description**

- Characterization of the energy end uses and related GHG emissions;
- Mapping of energy use from primary energy to final uses;
- Implementation of an energy model for the sector;
- Development of potential alternatives for decarbonization of the sector;

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- Prepare a scientific report on activities and write scientific articles.

### **Academic Qualifications**

Mechanical Engineering or similar

### **Minimum profile required**

- Knowledge in characterizing energy systems from primary resources to final uses;
- Experience in mapping energy flows in industrial and/or thermal processes, or similar;
- Experience in calculating environmental impacts at the GHG emissions level;
- Knowledge of technological options for improving energy efficiency and industrial decarbonization;
- Fluency in English (written and spoken).

### **Preference factors**

- Experience in developing energy models;
- Experience in modelling decarbonization measures;
- Knowledge of decarbonization plans at European and national level.

### **Application Period**

Since 28 Nov 2024 to 28 Dec 2024

### **Centre**

Power and Energy Systems

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### Scientific Advisor

[Zenaida Mourão](#)

### 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

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Portugal

**Contact E-mail**    rh@inesctec.pt