

INESC TEC | Doctorate in the field of Optimisation of multi-energy networks and systems  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=235556>

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Posted May 3, 2024, set to expire Sep. 2, 2024

<b>Job Title</b>	INESC TEC   Doctorate in the field of Optimisation of multi-energy networks and systems
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	May 3, 2024
<b>Application Deadline</b>	Jun. 3, 2024
<b>Position Start Date</b>	May 3, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other Engineering - Other
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<b>Job Description</b>	

Research Opportunity

**Optimisation of multi-energy networks and systems**

**Work description**

Modeling and simulation of multi-energy systems. Models to estimate DER flexibility. Development of forecasting models, optimization problems and decision support tools.

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### Academic Qualifications

Electrical Engineering

### Minimum profile required

PhD degree with postdoctoral experience or scientific curriculum compatible with the category of the scientific research career to which the remuneration level defined below corresponds.

### Preference factors

- Participation, possibly including positions of responsibility, in research and development projects in simulation and optimization of multi-energy systems;
- Advanced knowledge of optimization and programming (Python, C, C++, etc.);
- Experience in developing forecasting models and decision support tools; Fluency in English and Portuguese (written and spoken)..

**Salary Level** In accordance with article 15 of the RJEC and article 2 of Regulatory Decree no. 11-A/2017, of 29 December, the gross monthly base remuneration to be awarded is based on remuneration level 1 of the Investigador Júnior category of the Public Scientific Research Career Statute, with INESC TEC applying its own remuneration table for R&D doctoral employees, with a value of €2279.94 for the equivalent category.

### Application Period

Since 03 May 2024 to 03 Jun 2024

### Centre

Power and Energy Systems

### Scientific Advisor

Filipe Joel Soares

### What we offer

- **Multicultural and collaborative environment**
- A multicultural, international and collaborative environment that makes it easier to exchange

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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