

INESC TEC | Research Grant (AE2024-0355)  
INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=243313>

Downloaded On: Aug. 22, 2024 2:47am

Posted Aug. 19, 2024, set to expire Dec. 19, 2024

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0355)
<b>Department</b>	CEGI
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Aug. 19, 2024
<b>Application Deadline</b>	Aug. 29, 2024
<b>Position Start Date</b>	Aug. 16, 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/form/notice/5040">https://www.inesctec.pt/en/form/notice/5040</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunity

### Cutting and Packing Problems

#### Work description

- Development of new mathematical programming models for the 2D rectangular C&P, integrating waste minimization and pattern complexity;
- Development of indicators for measuring the impact pattern complexity for 2D rectangular C&P.

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### Academic Qualifications

Student of Industrial Engineering, Informatics, Computer Science or related area.

### Minimum profile required

Experience in the following skill(s):

- Programming in Python, C.
- Use of the Gurobi solver.
- Ability to work in group, high autonomy, and organization.

### Preference factors

- Knowledge in cutting and packing problems;
- Knowledge in combinatorial optimization.

**Maintenance stipend:** € 990,98, 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.

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### Application Period

Since 16 Aug 2024 to 29 Aug 2024

### Centre

Industrial Engineering and Management

### Scientific Advisor

[Elsa Marília Silva](#)

### 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.

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**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