

INESC TEC | Research Initiation Grant (AE2024-0573) INESC TEC

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Posted Jan. 10, 2025, set to expire May 12, 2025

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| Job Title | INESC TEC Research Initiation Grant (AE2024-0573) |
| Department | CTM |
| Institution | INESC TEC PORTO, , Portugal |
| Date Posted | Jan. 10, 2025 |
| Application Deadline | Jan. 16, 2025 |
| Position Start Date | Jan. 3, 2025 |
| Job Categories | Graduate Student |
| Academic Field(s) | Engineering - Other |
| Apply Online Here | https://www.inesctec.pt/en/form/notice/5241 |
| Apply By Email | |
| Job Description | |

Research Opportunities

Telecommunications

Work description

- Survey the state of the art in emerging wireless networks, including their simulation using real data assimilation, machine learning, and digital twin approaches;
- Collaborate in the writing of technical reports on communications protocols, algorithms, and mechanisms developed;

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- Develop new modules enabling the simulation and/or experimentation of emerging wireless networks;
- Write publications in co-authorship within the scope of the work developed;
- Write the final activity report of the grant.

Academic Qualifications

- Student in Electrical Engineering or similar

Minimum profile required

- Solid knowledge in TCP/IP stack and Linux;
- Programming skills in C++ and Python;
- Proven research experience in telecommunications, focusing on the optimization of the placement and Link Adaptation for UAV-based dynamic network infrastructures.

Preference factors

- Knowledge in Wireless Networks technologies;
- Knowledge in Machine Learning;
- Knowledge in discrete event-driven simulation.

Application Period

Since 03 Jan 2025 to 16 Jan 2025

Centre

Telecommunications and Multimedia

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Scientific Advisor

[Rui Lopes Campos](#)

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.

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Contact

Portugal

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