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

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;

- 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

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Contact

Portugal

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