INESC TEC | Research Initiation Grant (AE2024-0351)
INESC TEC

Job Title	INESC TEC	Research Initiation Grant (AE2024-0351)
Department	CTM
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Aug. 26, 2024
Application Deadline	Sep. 4, 2024
Position Start Date	Aug. 22, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
Apply Online Here	https://www.inesctec.pt/en/form/notice/5036
Apply By Email	
Job Description	

Research Opportunity

Wireless Networks

Work description

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

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

Academic Qualifications

Student in Electrical Engineering or similar.

Minimum profile required

1. Solid knowledge in TCP/IP stack and Linux;
2. Proven previous research experience in the telecommunications area;
3. Programming skills in C++ and Python.

Preference factors

1. Knowledge in IEEE 802.11, 5G, IoT technologies, and LEO Satellite connections;
2. Knowledge in Artificial Intelligence / Machine Learning;
3. Knowledge in discrete event-driven simulation.

Application Period

Since 22 Aug 2024 to 04 Sep 2024

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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Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Portugal

Contact E-mail   rh@inesctec.pt