INESC TEC | Research Initiation Grant (AE2024-0523)
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Job Title	INESC TEC	Research Initiation Grant (AE2024-0523)
Department	CTM
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Dec. 6, 2024
Application Deadline	Dec. 19, 2024
Position Start Date	Dec. 6, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
	Engineering - Other
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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

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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;
- Proven previous research experience in the telecommunications area.
- Programming skills in C++ and Python.

Preference factors

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

Application Period

Since 06 Dec 2024 to 19 Dec 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

Contact

Portugal

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