

INESC TEC | Research Grant (BI) (AE2024-0019)
INESC TEC

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Posted Jan. 25, 2024, set to expire May 26, 2024

Job Title	INESC TEC Research Grant (BI) (AE2024-0019)
Department	CPES
Institution	INESC TEC PORTO, , Portugal
Date Posted	Jan. 25, 2024
Application Deadline	Feb. 24, 2024
Position Start Date	Jan. 25, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other Computer Science
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Job Description	

Research Opportunity

COMPUTER SCIENCE - Artificial Intelligence

Work description

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- 1) Hybridization of physics-based modelling and AI to create decision-support models for human operators under forecast uncertainty.
- 2) Distributed learning algorithms and coordination strategies to achieve a global goal where, for instance, aspects such as energy consumption (green AI) is covered by testing their implementation in edge devices.
- 3) Validate the developed methodologies on real data and different use cases focused on energy transition.
- 4) Dissemination of the work in international journals and/or conferences

Minimum profile required

Previous academic background in applied mathematics or computer science or informatics or electrical engineering or similar

Preference factors

- Past experience (or academic background) with supervised and reinforcement learning
- Academic background in operations research
- Programming knowledge in Python

Application Period

Since 25 Jan 2024 to 24 Feb 2024

Cluster / Centre

Power and Energy / Power and Energy Systems

Scientific Advisor

Ricardo Jorge Bessa

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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