

INESC TEC | Doctor Researcher (AE2025-0453) INESC TEC

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Posted Oct. 15, 2025, set to expire Feb. 9, 2026

Job Title	INESC TEC Doctor Researcher (AE2025-0453)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Oct. 15, 2025
Application Deadline	Oct. 22, 2025
Position Start Date	Available immediately
Job Categories	Graduate Student
Academic Field(s)	Engineering Physics Optics & Optical Engineering
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Job Description	

Research Opportunities

Physical Engineering

Work description

- The objective of this work is the development of optofluidic solutions fabricated by femtosecond laser direct writing.
- Integrated optofluidic devices are used for the characterization of cells and other suspended particles and/or for optical trapping.
- The fabrication process involves the creation of optical components, such as waveguides and lenses, as well as three-dimensional micromachining through erosion in aqueous solutions

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(FLICE – Femtosecond Laser Induced Chemical Etching).

Minimum requirements

- PhD degree in PhD in Physics, Engineering Physics or similar, or related scientific area

Preference factors

- Solid knowledge of optics/guided optics, laser direct writing, microfluidics and programming will be considered an advantage

Salary level: In accordance with article 15 of the RJEC and article 2 of Regulatory Decree no. 11-A/2017, of 29 December, the gross monthly base remuneration to be awarded is based on remuneration level 1 of the Investigador Júnior category of the Public Scientific Research Career Statute, with INESC TEC applying its own remuneration table for R&D doctoral employees, with a value of €2404.92 for the equivalent category.

Application Period

Since 09 Oct 2025 to 22 Oct 2025

Centre

Applied Photonics

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.

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- **Other Benefits and Perks**

- Flexible working time, health insurance, discounts in hotels, transportation, etc.

For more information: [Click here](#)

Contact Information

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

Contact

INESC TEC - Instituto De Engenharia De Sistemas E
Computadores, Tecnologia E Ciência
Portugal

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