

INESC TEC | Doctorate Researcher (AE2025-0343)
INESC TEC

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Job Title	INESC TEC Doctorate Researcher (AE2025-0343)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Aug. 1, 2025
Application Deadline	Sep. 1, 2025
Position Start Date	Aug. 1, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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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,

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as well as three-dimensional micromachining through erosion in aqueous solutions (FLICE – Femtosecond Laser Induced Chemical Etching).

Academic Qualifications

- PhD in Physics, Engineering Physics or similar.

Minimum profile required

- Postdoctoral experience, or a scientific track record following the PhD, compatible with the category of the scientific research career corresponding to the remuneration level defined below.
- Minimum knowledge of optics and programming is essential.

Preference factors

- Solid knowledge of guided optics, laser direct writing, and instrumentation will be considered an advantage.

Application Period

Since 01 Aug 2025 to 01 Sep 2025

Centre

Applied Photonics

Scientific Advisor

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[Paulo Vicente Marques](#)

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- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
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- The possibility of working in international projects with some of the most important companies in the field.
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- Annual informal events, such as the multicultural party.

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Contact Information

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

Contact

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

Phone Number	222094000
Contact E-mail	rh@inesctec.pt