

INESC TEC| Research Grant (AE2024-0120) INESC TEC

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Posted Mar. 25, 2024, set to expire Jul. 21, 2024

Job Title	INESC TEC Research Grant (AE2024-0120)
Department	CAP
Institution	INESC TEC PORTO, , Portugal
Date Posted	Mar. 25, 2024
Application Deadline	Apr. 5, 2024
Position Start Date	Mar. 21, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

Microfabrication, Direct Writing with Laser, Integrated Optics, Microfluidics

Work description

Fabrication of waveguides by direct writing with femtosecond laser; Simulation and manufacturing of lenses and integration into microfluidics systems; Simulation and fabrication of microfluidics channels for 2D and 3D hydrodynamic focusing of microparticles; Characterization of the developed devices.

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Academic Qualifications

BSc in Engineering Physics or similar areas of knowledge.

Minimum profile required

- Knowledge in the field of optics.
- Skills in microfabrication using direct writing with a femtosecond laser.

Preference factors

- Experience in manufacturing waveguides using direct writing with a femtosecond laser and characterizing them.
- Experience in 3D micromachining using femtosecond exposure and wet etching.

Application Period

Since 21 Mar 2024 to 05 Apr 2024

Centre

Applied Photonics

Scientific Advisor

[João Miguel Maia](#)

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For more information: <https://www.inesctec.pt/en/opportunities/microfabrication-direct-writing-with-laser-integrated-optics-microfluidics-AE2024-0120>

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