



ESO

European Organisation
for Astronomical
Research in the
Southern Hemisphere



Training Opportunity for Portuguese Trainees

Title	Duty Station
Optical engineer	ESO HQ, Garching/Germany

The Optical Engineering Department Overview:

The Optical Engineering Department provides support in the field of optics and photonics to all ESO projects. The technical expertise offered by the department includes the optical design, integration and tests of optical systems as well as photonics technologies and laser guide stars. The department provides support for Assembly, Integration and Testing (AIT) of opto-mechanical systems. In addition, it supports the observatory in solving optical problems arising in systems in operation. The department manages the optical and opto-mechanical integration laboratories at ESO headquarters.

Proposed field of activity:

The proposed opportunity consists of supporting the department activities in the area of optical phasing of segmented mirrors as well as modern optical testing methods. This will also include experimental work including testing, integration and validation of optical and photonic systems.

The candidate should have some experience/familiarity with optical&photonics systems instrumentation, incl. lasers, interferometry, standard optical test set-up and equipment.

In addition the candidate shall be proactive in seeking and applying modern optical methods and tools, and show the ability and motivation to work in a team, building strong collaborative working relationships with people from different cultural backgrounds and disciplines.

Required education:

Applicants should have completed or be in their final year of a university course at masters level in Optical engineering or Physics.

Candidates must be fluent in English (both spoken and written), ESO's official language.

Candidates should have good interpersonal and communication skills and should be able to work in a multi-cultural environment, both independently and as part of a team.