## Training Opportunity for Portuguese Trainees

| Title | Duty Station |
|---|---|
| Software Engineer VLT Control SW | ESO HQ, Garching/Germany |

**Control Software and Engineering Overview:**

The Control Software and Engineering department (CSE) within the Directorate of Engineering (DoE) is responsible for specifying, analyzing, designing, implementing, verifying and maintaining control systems and is responsible for the development of control software for (optical and radio-) telescopes and astronomical instruments over the full software lifecycle.

CSE is supporting all of ESO's projects, in particular the Very Large Telescope (VLT) and the VLT Interferometer (VLTI) and their instruments.

**Proposed field of activity:**

The proposed opportunity consists of support in software for VLT and/or VLTI. The successful candidate will consecutively support the 3 software groups within CSE:

Infrastructure and Integration (CISI):
- Get familiar and support the VLT SW development and test environment
- Contribute to VLT SW integration

Observatory Control SW (COCS):
- Support the maintenance and new development of VLT/VLTI SW

Instrument Control SW (CINS):
- Support one or more ongoing VLT instrument SW and laboratory projects

**Required education:**

Applicants should have completed or be in their final year of a university course at masters level in computer science. Good practical experience in software development, preferred with distributed real time systems, is needed.

Operating systems: Linux, VxWorks

Programming languages: C/C++, Python

Tools: JIRA, Jenkins, SVN

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.