

ESO Portuguese Traineeship opportunities 2013

1. Optics & Photonics Department	Directorate of Engineering
Job code	ESO-DE(1)
Supervisor	Mr Lothar Noethe
Education, knowledge and skills requirements	Physics or engineering degree, possibly some knowledge of optics or optomechnics.
Project information	<p>Run a laboratory experiment on the phasing of segments of a large telescope mirror.</p> <p>The optical bench includes a dummy segmented mirror, an adaptive mirror for the correction of quickly changing wavefront errors and various detectors for the analysis of the perturbed wavefront. In summary, it emulates a large number of functionalities that are essential for the control of the European Extremely Large Telescope (EELT).</p>
Learning opportunities for the Trainee	<ul style="list-style-type: none"> - Working with a complicated setup on an optical bench - Getting insight into the wavefront control of the EELT - Analysis of various types of data, using algorithms essential for the wavefront control of large telescopes