

# European Solar Telescope - Fundación Canaria

## Job Announcement

### OPTICAL SYSTEMS RESPONSIBLE

#### Description

The *European Solar Telescope - Fundación Canaria* (EST-FC) opens the call for applications for the **OPTICAL SYSTEMS RESPONSIBLE** position of the Foundation

The EST-FC is a private non-profit organization established at the Canary Islands by Law 2/1998, of April 6, on Canary Islands Foundations and, in addition, by Law 50/2002, of December 26, on Foundations.

The EST-FC is composed by ten institutions from eight European countries: the Instituto de Astrofísica de Canarias, the Consejo Superior de Investigaciones Científicas, the Stockholms University, the Leibniz-Institut für Sonnenphysik, the Max-Planck-Institut für Sonnensystemforschung, Astronomický ústav AV ČR, v. v. i., the Astronomical Institute of the Slovak Academy of Sciences, the University of Sheffield (on behalf of the UK Universities Consortium), the Università della Svizzera Italiana and the University of Graz.

#### Mission of the European Solar Telescope – Fundación Canaria

The EST-FC has been created to support the European Solar Telescope (EST) project through scientific research and engineering, to enhance societal benefits and business competitiveness by generating technological knowledge, to collaborate with public research organisations, to support education and training, to facilitate the establishment of the EST-ERIC for the construction phase of EST, and to foster relations with scientific and business communities, among other similar objectives.

The goal of the European Solar Telescope project is to build and operate EST, a next generation large-aperture solar telescope. With a 4.2-metre primary mirror, EST will be optimised for studies of the magnetic coupling of the solar atmosphere. To achieve its scientific goals, EST will be equipped with the most advanced diagnostic tools to probe the thermal, dynamic and magnetic properties of the solar plasma over many scale heights, by using multi-wavelength imaging, spectroscopy and spectropolarimetry. EST will specialise in high spatial and temporal resolution using several instruments simultaneously to efficiently produce 2D spectral information. EST will be located in the Canary Islands.

## **Responsibilities**

This position is for the EST optical design responsible. S/he will be responsible for all aspects related to the optical design of EST optical systems: M1, M2, Heat Rejecter, Transfer Optical y Calibration Assembly System, Pier Optical Path and the Coude Light Distribution System. The optical group is also responsible for all aspects related to polarization, active and adaptive optics.

## **Qualifications and Experience**

The EST Optical Systems Responsible shall be a senior optical engineer with proven experience in optical design, fabrication, assembly integration and verification of optical systems, especially for astronomy engineering projects, and in particular, solar telescopes. Experience in optical engineering and especially in design and construction of astronomy projects where multidisciplinary teamwork is required and in particular in solar telescopes shall be considered. All previous experience relevant for the EST project shall be considered

## **Language Skills**

The position requires proficiency in written and spoken English. Additional knowledge of any partners' language (in particular, Spanish) will be positively considered.

## **Applications**

Applications shall be forwarded to:

Manuel Collados ([foundation@est-east.eu](mailto:foundation@est-east.eu)) President of the EST-FC Executive Committee.

**Subject:** Ref: EST OPTICAL - Candidate Name

All applications received on time will be given full consideration. The application must include: a curriculum vitae (max 5 pages). If none of the applications is selected, the call will continue open after the closing date until a candidate is selected.

All applications will be treated with confidentiality.

## **Closing date**

October 16<sup>th</sup> 2024, 15:00h Canary Islands local time

## **Contract**

The selected candidate will sign a indefinite employment contract under the Spanish Law, subject to a six-month probationary period. The work center will be the HQ of the Foundation, located at C/Vía Láctea s/n, San Cristóbal de La Laguna, Tenerife, Spain, with eventual work stays in La Palma, where the EST is planned to be built and where the HQ of the EST Construction phase Project Office is planned to be. The gross annual salary will be around 48.000 euros.

Full medical insurance for the successful candidate and accompanying spouse and children will be provided under the Spanish Social Security System.

The European Solar Telescope – Fundación Canaria guarantees a quality selection, which offers the necessary measures to comply with the principles and criteria of equal treatment and non-discrimination in the workplace.

Information about EST: <https://www.est-east.eu/>