



Elettra Sincrotrone Trieste

Control Room Operators (# of positions: 2)

Deadline: 23 April 2021

Ref: CA/21/7

Company description

Elettra Sincrotrone Trieste is an international multidisciplinary research center operated as a user facility, featuring a 2.0/2.4 GeV, third-generation synchrotron light source (Elettra), a new free-electron laser light source (FERMI) and a variety of support laboratories. The extremely high quality of the machines and beamlines has set new performance records and has been producing results of great scientific and technological interest. See <http://www.elettra.eu> for more information.

Beamline/Activity/Project description

The control room operator task is to ensure the set-up and the supervision of the two advanced light sources, the electron storage ring Elettra and the free-electron laser (FEL) FERMI, continuously (H24) operated supplying light of the selected "colour" and quality to more than 30 experimental stations. These activities are performed in 8 hours shifts according to the machine calendars.

The control room operators provide support in the analysis of the performance and in the developments and maintenance of the two facilities.

Job description

The successful candidates will be part of the team of operators that runs the two facilities Elettra and FERMI. They will be required to perform complex and diversified duties that involve primarily the operation of the facilities during the scheduled machine runs. They will perform all of the actions necessary to operate and monitor the machines ensuring the presence of beam in the accelerators and the achievement of the needed specifications for users' experiments. During this process, they will identify any equipment malfunction and participate and assist in the diagnosis/correction. Documentation of activities and communication with users and maintenance support groups are also important aspects of the job.

They will participate in the machine physics studies to tune and operate the facilities and in the maintenance and troubleshooting of the accelerator subsystems - including electromechanical devices, power supplies, radiofrequency plants, vacuum system, computer controls, beam diagnostics, etc. - and will be involved in the related upgrade activities. This work will be carried out in close cooperation with the technical support groups.

Qualifications

An Industrial Technician/Technologist diploma (diploma di Perito Industriale) or equivalent is required with specialization in one of the following or related fields: electronics, electrical engineering, telecommunications or information technology. Good knowledge of standard instrumentation and ability to perform laboratory measurements is expected. Willingness to work on a rotating shift schedule is a must.

Familiarity and experience with operational aspects of particle accelerators will be considered a definite asset, as will be an interest in learning about procedures, techniques and instrumentation involved in machine operation.

Being familiar with one or more of the main subsystems of an accelerator or in the related technologies would be highly desirable. Having a technical background in other disciplines will be considered a plus, as will be a solid knowledge of informatics tools, such as Office, CATIA, etc.

Good communication and problem solving skills are essential, as is the ability to work both independently and as part of a team.

A working knowledge of the Italian language is required.

Oral and written communication skills in English are essential.

Elettra - Sincrotrone Trieste S.C.p.A.

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www.elettra.eu

Iscritta al Registro delle Imprese di Trieste
Società di interesse nazionale
ai sensi dell'art. 10, comma 4,
L. 19 ottobre 1999 n. 370

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The appointment envisioned is a permanent position. The salary will be commensurate with previous experience and qualifications.

Applications should include full curriculum vitae, the names and contact information (including electronic mail) of two references.

The deadline for the submission of the application is April 23, 2021.

In accordance with the provisions of article 21 of the Italian legislative decree no. 39/2013 and in conjunction with article 53 (subsection 16ter) of Italian legislative decree no. 165/2001, employees or former employees of any Italian Public Entity who have exercised authority over Elettra Sincrotrone Trieste S.C.p.A. or have negotiated with Elettra - Sincrotrone Trieste S.C.p.A. within the last three years will be excluded from the present selection procedure.

We thank all applicants in advance.

To apply for this position please visit the following link:

<https://www.elettra.trieste.it/it/about/careers/working-withus.html?id=1781>

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