SESAME

Synchrotron-light for Experimental Science & Applications in the Middle East

Vacancy Notice No:	SS/20/02.
Position and Grade:	**Beamline Technician** (Grade and Step will be defined according to the experience).
Sector:	Scientific.
Duty Station:	Allan, Jordan.
Issue Date:	November 15th , 2020.
Type/Duration of Appointment:	Fixed term for 3 years and renewable (first 12 months are probation period).
Date for entry on duty:	April 2021, or as soon as possible after this.
Application Deadline:	February 16th, 2021 or until a suitable candidate is found.

Organization Setting

The Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME) has been established in Jordan, under the auspices of UNESCO. Its mission is to promote international collaboration in the Middle East and neighboring countries using synchrotron light for basic and applied research in physics, chemistry, biology, materials science, environmental and medical investigations, archaeological studies and other research areas of relevance to the region. The centerpiece of SESAME is an advanced 2.5 GeV synchrotron light source that has been constructed and is operated by the Members of SESAME with the support of the international community. SESAME is an international scientific and technological center of excellence open to all qualified scientists worldwide. Three beamlines (XAFS/XRF, IR and MS) are currently in operation and open to external users. A fourth and fifth beamline (for X-ray tomography and soft X-ray spectroscopy) are under construction and are expected to come into operation in 2022.

Assignment

Under the supervision of the Scientific Director, and in close collaboration with the other Scientific and Technical staff, the main responsibilities of the candidate will be:

- Support the scientists and technical teams associated with the beamlines of SESAME during beamline maintenance, commissioning and operations.
- Assemble, test, and maintain scientific instrumentation and work with the beamline scientists and engineers in designing and installing new beamline's equipment as part of upgrades.
- Help scientists on the beamline, machining small pieces of equipment such as sample holders and preparation of samples for the measurements.
- Perform troubleshooting and repairing if necessary.
- Participate in the design of the new instruments.
- Technical assistance to the beamline operation and user services.
- Support of the design and production of new equipment.

- Carrying out any other relevant tasks/duties as requested by the Scientific Director and/or beamlines scientists.

Education and Experience

- Technological, professional or a general scientific baccalaureate in mechanics or scientific instrumentation, or equivalent.
- Three to ten years of professional experience in precision mechanics and scientific instrumentation.
- Ability to machine mechanical parts and assemble delicate mechanical components.
- Good skills in using electrical/mechanical tools for the installation of equipment.

Knowledge, Skills and Abilities

- Available to work in Jordan.
- Available to work under pressure.
- Excellent knowledge of English (oral and written).
- High degree of multi-tasking and time management capability.
- Available to travel abroad, including periods away from home.
- Available to work occasional shifts during machine development periods.
- Skills in instrument control, electronics, laboratory techniques will be an asset.
- Team spirit and good communication skills.

Remuneration

Appointment is made by the SESAME Director. The Beamline Technician will be hired at the Grade and Step compatible with his/her experience.

How to apply

A detailed C.V. in English including the name, affiliation and e-mail address of 3 referees, and a motivation letter should be addressed to the Administrative Director by filling the Online Submission Form on the announcement page. Candidates from SESAME Members with equal qualification will be given preference.

For further Information

Consult the SESAME web site: www.sesame.org.jo