



SESAME

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

Vacancy Notice No:	TS/19/07
Position and Grade:	Technical Director (D1 – Step I)
Sector:	Technical
Duty Station:	Allan, Jordan
Issue Date:	28 September 2019
Type/Duration of Appointment:	Fixed term, full-time 4-year appointment (subject to a probationary period of 1 year) with the possibility of one renewal of another 4 years
Date for entry on duty:	Early 2020
Application Deadline:	15th November 2019 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. Two beamlines (XAFS/XRF and IR) are currently in operation and open to external users, a third (Materials Science) will start operation early in 2020 and two more (for X-ray tomography and soft X-ray spectroscopy) are under construction.

Assignment

Under the supervision of the Director of SESAME, and with account taken of the recommendations of the SESAME Machine Advisory Committee, the incumbent will lead and manage the Technical Sector of SESAME. The Technical Director will in particular:

- Direct the continuous improvement in the performance, capability, and reliability of SESAME's accelerator systems, as well as guide future directions for the development of the accelerators.

- Direct the planning, design and efficient implementation of the further development of the SESAME machine.
- Ensure, in cooperation with the Scientific and Administrative Directors, coordinated actions required for the operation, and further development of the SESAME machine.
- Work in close collaboration with the Scientific Director for the construction of the beamlines and for the interface between the machine and the beamlines.
- Oversee the organization of SESAME technical conferences, symposia, workshops, meetings and training courses, as well as meetings of the Centre's technical committees and advisory groups; prepare reports on the technical activity of SESAME, including those to the SESAME Council.
- Participate as a member of the Directorate in recommending to the SESAME Director policy and innovative approaches and strategies to strengthen the efficiency and improve the performance of the SESAME machine.
- Supervise and evaluate the activity of the staff of the Technical Sector and that of consultants/experts in the Sector.
- Recommend to the SESAME Director future needs in terms of staff to be recruited for the Technical Sector.
- Make proposals to the Director on the budget required for the development of the machine and operation of the Technical Sector.
- Manage the budget of the Technical Sector in close collaboration with the Administrative Director.
- Provide the SESAME Director with regular and timely reports on the status and performance of the SESAME machine and any challenges that might affect its operation.
- Participate in the meetings of the Directorate and the SESAME Council.
- Carry out any other activities entrusted to him/her by the Director.

Education and Experience

- Outstanding senior scientist with an advanced university degree at the doctorate level in physics or engineering.
- Minimum fifteen years of relevant experience (supported by a record of publications), including evidence of significant experience in the conception, construction, development and operation of synchrotron light sources or closely related fields. Experience in the management of personnel and budgetary matters is strongly desired.
- Demonstrated experience in the technical formulation and implementation of international science and technology cooperative projects.

Knowledge, Skills and Abilities

- Proven ability to work effectively in a multicultural environment, and lead a multidisciplinary team of scientists, engineers and technicians.
- Strong communication and negotiation skills and ability to represent an international center effectively.
- Strong scientific leadership skills and the ability to formulate technically-

sound and well-written proposals for projects relevant to SESAME's technical development.

- Experience in the use and management of IT resources for technical applications.
- Excellent oral and written command of English.

Remuneration

Appointment is made by the SESAME Council upon the recommendation of the SESAME Director. Normally, the Technical Director is hired at D1 – Step I level.

How to apply

A motivation letter and detailed C.V. in English should be addressed to the SESAME Director at Director@sesame.org.io with a copy to the Administrative Director at Admin.Director@sesame.org.io. Candidates from [SESAME Members](#) with equal qualification will be given preference. The application would need to include three recommendation letters with the name of referees and their respective contact details.

For further Information

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