SESAME

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

Vacancy Notice No:	SS/19/02
Position and Grade:	**Computing System Engineer (P1, Step I)**
Sector:	Scientific Sector
Unit/section:	Computing Group
Duty Station:	Allan, Jordan
Issue Date:	May 2019
Type/Duration of Appointment:	3 years (first 12 months are probation period).
Benefits:	Health insurance, Life and disability insurance, Rental subsides, Education grant.
Date for entry on duty:	As soon as possible
Application Deadline:	July 15, 2019

Organization Setting

SESAME is the first synchrotron light source in the Middle East. It is located in Allan (Jordan). The facility consists of a 20 MeV Microtron, an 800 MeV Booster synchrotron and a 2.5 GeV electron storage ring. Two beamlines, the XAFX/XRF (X-ray absorption fine structure/X-ray fluorescence) spectroscopy and IR (infrared) spectromicroscopy beamlines, are in operation and started to host users in 2018. A third beamline, the MS (Materials Science) beamline, is expected to come on stream in a few months, and a fourth, the MX (Macromolecular Crystallography) beamline, is under construction. Meanwhile, plans are underway for construction of the BEATS (BEAmline for Tomography at SESAME) beamline and HESEB (HEImholtz-SEsame) beamline for soft X-rays. SESAME will therefore permit world-class research in virtually all fields of science. The Centre offers a vibrating and stimulating international environment with great possibility for scientific and technical growth. It is seeking to recruit a motivated computer system engineer to develop and maintain the Centre's IT services to meet the needs of the facility, staff and users.

Assignment

Under the supervision of the Scientific Director, and in close collaboration with the Computing Group, the incumbent will:

- Manage and monitor the IT infrastructure and it's related systems installed in a heterogeneous environment (Windows-Linux).
- Install, configure, test and maintain the operating systems, application software and system management tools.
- Ensure the highest standard IT systems and infrastructure availability.

- Work closely with the accelerator and beamline teams to define requirements and the specification of new computing systems.
- Provide operational support for the running systems, in response to operational faults and requests for developments and/or enhancements.
- Learn and implement new systems and applications.
- Carry out any other duties assigned by the Scientific Director.

Education and Experience

- Bachelor's degree in computer science, computer engineering or a related field and three to five year's relevant experience.
- Excellent knowledge of, and experience in, Linux OS.
- Proven experience in usage of Bash, Python and/or Perl.
- Very good communication skills in English (spoken/written), and the ability to contribute to technical writing.

Knowledge, Skills and Abilities

- Excellent interpersonal skills, and ability to work in a team.
- Willingness to learn new skills.
- Accountability and ability to identify problems in a timely manner and to propose an appropriate solution.
- Ability to work in a complex IT environment that requires multi-tasking skills and the ability prioritize the tasks assigned.
- Work for extra hours and during the weekends and vacations if needed (i.e. in the case of server problems, a server down, etc.).
- Ability to program C/C++ and MATLAB.
- Knowledge in networking and TCP/IP.
- Knowledge in Virtualization.
- Knowledge in CISCO based-network and VoIP.
- Knowledge in data security and NGFW.
- Knowledge in enterprise storage systems.
- Knowledge in backup systems.

Employment Conditions

- The candidate would be expected to take up his/her position as soon as possible.
- The work location is in Jordan.
- The candidate should be willing to travel abroad for training, and to participate in workshops, seminars and meetings.
- The starting salary will be that of a P1 post. Very exceptionally, if the incumbent's qualifications and experience justify this, the Step, and thus starting salary, may be higher.
- The candidate should preferably be a national of a Member of SESAME.
- SESAME is an equal opportunity employer.

How to apply

A detailed C.V. in English and a cover letter should be addressed to the Administrative Director by filling the Online Submission Form on the announcement page.

For further Information

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