

Head of Accelerator Operations

Organization															
<p>SESAME is the first synchrotron light source built in the Middle East, 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 are in operation (X-Ray Absorption and Infrared), while three further beamlines will follow in the next two years, to carry out world-class research in virtually all fields of Science.</p> <p>SESAME offers a vibrating and stimulating international environment with great possibility of scientific and technical growth. SESAME is seeking to recruit a motivated Engineer or Physicist to lead the operation of all the accelerators of the facility.</p> <p>SESAME uses state-of-the-art instrumentation and techniques to ensure the continuous operation of the three accelerators and of the running beamlines. SESAME strives to delivering a safe and reliable beam to serve the user community in their experiments, maintaining a high availability and a quick fault s analysis. The Operation Group will work on a regular 24 hour, 7 day, continuous year round shift system.</p>															
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I	<p>Organizational setting of the post</p> <table> <tr> <td>1.Post grade:</td><td>P3-S1</td></tr> <tr> <td>2.Title of the post:</td><td>Head of the Accelerator Operations (Vacancy notice number TC/18/3)</td></tr> <tr> <td>3.SESAME Sector</td><td>Technical Sector</td></tr> <tr> <td>4.Unit/section:</td><td>Machine Operation</td></tr> <tr> <td>5.Duty Station:</td><td>SESAME site, Allan, Jordan</td></tr> <tr> <td>6.Benefits:</td><td>Health insurance, Life and disability insurance, Rental subsidies, Education grant.</td></tr> <tr> <td>7.Type of contract:</td><td>Fixed term, 3 years (first 12 months are probation period).</td></tr> </table>	1.Post grade:	P3-S1	2.Title of the post:	Head of the Accelerator Operations (Vacancy notice number TC/18/3)	3.SESAME Sector	Technical Sector	4.Unit/section:	Machine Operation	5.Duty Station:	SESAME site, Allan, Jordan	6.Benefits:	Health insurance, Life and disability insurance, Rental subsidies, Education grant.	7.Type of contract:	Fixed term, 3 years (first 12 months are probation period).
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II	<p>Responsibilities</p> <ul style="list-style-type: none"> •Lead the safe and efficient operation of the three SESAME accelerators and related facilities. •Maintaining the operational readiness of the accelerators and related facilities at all times. •Lead routine testing, fault-finding and where feasible rectification of faults within their experience and training. •Responsible for the organisation of the routine shifts and the shutdown activities. •To be Emergency controllers for SESAME in line with company policies •Fault reporting, monitoring and maintaining operational statistics for the operations group. Leading the machine development meetings •Developing individual skills relevant to facility operation and functioning of the Synchrotron building. •Operations Team members may also be involved in machine installation, testing and maintenance activities and preparation of documentation and development of operational procedures. •Carrying out any other tasks/duties as requested by the SESAME Technical Director. 														
III	<p>Essential Qualifications</p> <ul style="list-style-type: none"> •B.Sc. degree in Engineering or Physics. Higher degree are strongly encouraged to apply •Five or more years work experience in development and operation of instrumentation, such as power supplies, electronics, radiofrequency. •Good knowledge in accelerator physics and accelerator operations •Knowledge of laboratory instrumentation and measurements, data analysis and presentation •Basic computer literacy in either Windows or LINUX. •Ability to learn and support new systems and applications, including support for the operational need of the facility (i.e. manning machine shifts) 														
IV	<p>Desired Qualifications</p> <ul style="list-style-type: none"> •Good experience with PLCs, and control systems •Good skills in using laboratory electrical/mechanical tools for the installation of equipment and performing troubleshooting and repairing if required •Experience with basic laboratory instrumentation including wiring, cabling, testing of equipment. •Skills in troubleshooting, diagnostics, and problem-solving. 														
V	<p>Other skills and abilities:</p> <ul style="list-style-type: none"> •Available to work shifts during machine run periods •Very good level of English, reading and writing. •Available to travel abroad, including periods away from home. •Identifying and resolving problems in a timely manner. •Working in an environment that requires multi-tasks skills •Working in a team but also capable of working independent without direct supervision. 														

- Excellent communication skills, both oral and written.

VI Application closing date

The search will start immediately and will continue until a suitable candidate is found

Employment Conditions

1. The work provisional starting date is as soon as possible
2. The work location is in Jordan
3. The position requires full time commitment.
4. The entry level and salary will be based upon the qualifications, experience and the level of responsibility of the post.
5. In addition to the basic salary the incumbent is entitled to other allowances (installation grant, education grant, housing subsidy, etc.).
6. For more information please consult (www.sesame.org.jo/jobs/employmentconditions.aspx)
7. The candidate should ideally be a national of a Member or Observer of SESAME.
8. SESAME is an equal opportunity employer

How to apply

A detailed C.V. in English, a cover letter and a list and contact details of at least two referees should be addressed to SESAME Administration and submitted to the online form on this link:
http://www.sesame.org.jo/sesame_2018/form/head-of-accelerator-operations