IAEA
International Atomic Energy Agency

Job Description for Professional Posts

Reference:NA2025/19

Position and Grade:	Associate Project Officer (Accelerators), P2
Organizational Unit:	Physics Section Division of Physical and Chemical Sciences
Duty Station:	Vienna, Austria
Type/Duration of Appointment:	FT – JPO, 1 year

Organizational Setting

The Physics Section is responsible for planning and implementing activities in the areas of (i) effective utilization of research reactors, (ii) fostering relevant research and development and applications using particle accelerators and nuclear instrumentation, and (iii) plasma physics and fusion, in order to enable Member States to avail themselves of the benefits of nuclear sciences and technologies. It operates the Nuclear Science and Instrumentation Laboratory (NSIL), located at the Agency's Laboratories in Seibersdorf, which assists laboratories in Member States to improve the effective utilization of nuclear spectrometry and related instrumentation by providing technical advice, training, calibration services, assistance with the modification and development of nuclear instruments and with new applications of nuclear spectrometry techniques in various fields, including energy related applications, environmental monitoring, industry, and the study of cultural heritage objects. NSIL has also developed and operates a dedicated neutron science facility, based on two compact neutron generators.

Main Purpose

As a member of a team led by a Section Head, the Associate Project Officer (Accelerators) provides direct support to the development and implementation of IAEA activities to increase relevant capabilities within interested Member States for capacity building in the area of research and applications with ion beams. The Associate Project Officer (Accelerators) will be involved in the implementation, activity development and utilization plans of an Ion Beam Facility (IBF) planned to be established at IAEA laboratories in Seibersdorf.

Role

The Associate Project Officer (Accelerators) fulfils several roles within the team: an organizational, policy, project implementation or technical specialist, providing advice and support to the Section Head on utilization and applications of low-energy electrostatic particle accelerators; a team member implementing IAEA activities under the direct oversight of the Section Head covering a broad range of research and applications of ion beams as well as in operation and maintenance aspects of low-energy electrostatic accelerators; a facilitator, encouraging internal and external cooperation and development through communication with both IAEA and external project stakeholders; a technical writer producing and reviewing documents relating to utilization as well as operation or maintenance of electrostatic

accelerators; and a team member of IAEA missions to interested Member States working to address relevant challenges and issues associated with utilization and applications of low-energy electrostatic accelerators.

Partnerships

The Associate Project Officer (Accelerators) provides advice and coordinates detailed activities under the overarching guidance of the Section Head on utilization and applications of low-energy electrostatic accelerators with emphasis in ion beam analytical techniques as well as on operation and maintenance aspects of these facilities to internal and external stakeholders, including IAEA programme managers in other sections and departments on programmatic and cross-cutting issues and initiatives.

Functions / Key Results Expected

Under the direct guidance of the Section Head:

- In close collaboration with the team, implement the IAEA's activities on utilization and applications of low-energy electrostatic accelerators to meet IAEA programmatic objectives.
- Gather and provide information, advice and guidance on applications of ion beams and related technical projects.
- Support projects in the subject area; evaluate proposals, plan and implement activities; prepare and monitor contracts for the supply of goods and services such as experimental equipment, external assistance or research; and review the results achieved.
- Coordinate/liaise with external institutions and stakeholders; gather, maintain and apply knowledge of international good practices and future trends in the subject area.
- Contribute to the development of documents and technical reports on important aspects of project activities related to utilization and applications of electrostatic accelerators and update IAEA publications and databases in the subject area.

Competencies and Expertise (do not revise or edit)

Core Competencies		
Competence	**Occupational Role**	**Behavioural Indicator**
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.
Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's

		priorities. Takes into account potential changes and proposes contingency plans.

Functional Competencies		
Competence	**Occupational Role**	**Behavioural Indicator**
Analytical Thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions.
Technical/Scientific Credibility	Associate	Acquires and applies new skills to remain up to date in his/her area of expertise. Reliably applies knowledge of basic technical/ scientific methods and concepts.

Expertise	
Expertise	**Description**
Physics/Nuclear Physics	Good knowledge of nuclear physics or related field with emphasis on operation of electrostatic accelerators and research with low energy ion beams, related technical projects and the infrastructure and organizational aspects required to implement them.

Education, Experience and Language Skills

- University degree in nuclear physics, nuclear engineering, electrical engineering or related field.
- Minimum two years of professional experience in the area of operation/maintenance of electrostatic accelerators and applications of low-energy ion beams for analytical purposes.
- Good knowledge of analogue/digital electronics and basic nuclear instrumentation.
- Experience in international cooperation with proven ability to participate effectively in a multinational and multidisciplinary team with sensitivity and respect for diversity.
- Experience in technical writing in English for producing and reviewing documents in the subject area; Fluency in spoken and written English. Knowledge of any other official IAEA language (i.e. Arabic, Chinese, French, Russian or Spanish) would be an advantage.