

VACANCY NOTICE

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| POSITION TITLE | TECHNICAL OFFICER – IFMIF PROTOTYPE ACCELERATOR EU-HT MANAGER (F/M) |
| SELECTION REFERENCE | F4E/TA/AD8/2013/0177 |
| GRADE | TEMPORARY AGENT – AD8 |
| LOCATION | GARCHING , GERMANY |
| RESERVE LIST – MAXIMUM NUMBER | 3 |
| VALIDITY OF THE RESERVE LIST | 31/12/2014 |
| CLOSING DATE FOR APPLICATIONS | 01/10/2013 AT 12.00 NOON, BARCELONA GMT+1 |

1. RESPONSIBILITIES

The International Fusion Materials Irradiation Facility (IFMIF) is projected to provide an accelerator-based neutron source at sufficient intensity and irradiation volume to simulate as closely as possible the first wall neutron spectrum of future nuclear fusion reactors such as DEMO and Power Plants. Neutrons peaking around 14 MeV will be generated through (d,Li) nuclear reactions originating from a 40 MeV deuteron beam impinging on a liquid Li screen. Neutron fluxes of about 10^{18} n/(m²·s) will be achieved through two parallel CW 125 mA Linacs that will deposit a beam power of 10 MW into the Li jet.

The validation of the accelerator concept of IFMIF/EVEDA is directed to the construction and operation of a 9 MeV Deuteron Linac capable to deliverable 125 mA in continuous wave operation. This 1.125 MW accelerator, for which the subsystems are presently under construction at European laboratories (INFN, CIEMAT and CEA) and at JAEA (Japan Atomic Energy Agency), is entering its installation and commissioning phase in Rokkasho, Japan. This phase started in March 2013 with first systems delivered from Europe and will continue till mid-2017 in the framework of the Broader Approach agreement.

As a member of the Broader Fusion Development (BFD) department of 'Fusion for Energy', the Technical Officer will manage the technical responsibilities in the European Home Team (EU-HT) for the Linear IFMIF Prototype Accelerator (LIPAc) as its Project Manager. He/She will facilitate the timely delivery of the accelerator components from Europe to Rokkasho (Japan) and monitor the activities of European contributors and experts in close interaction with the LIPAc Installation and Commissioning (LIC) Unit leader of the Project Team in Rokkasho.

The successful candidate will, among other tasks:

- Assist the EU IFMIF Project Coordinator in his liaison role with the Project Team (PT) and the JA-HT, especially in organisational aspects related with the LIPAc;
- Be responsible for monitoring the work conducted in Europe in the different participant Institutions to ensure that the LIPAc construction schedule is respected;
- Prepare for potential technical problems on the individual equipment performance and its installation, and implement mitigating measures;
- Provide technical guidance for eventual amendments of the Procurement Arrangements, covering the procurement of the components and subsystems of the LIPAc;
- Assist in the hardware commissioning tasks in Rokkasho to integrate as a whole the beam simulations, beam operation, instrumentation performance, and machine and personal protection systems.
- Act as technical liaison officer towards the PT in Rokkasho for all European activities related with the LIPAc.
- Ensure the technical follow-up of the activities conducted in European Institutions related within the LIPAc.
- Ensure the correct integration and interface management of the activities conducted in European Institutions in the Prototype Accelerator in close collaboration with the EU Project Coordinator, the LIPAc Project management team, and the LIC Unit leader of the PT.
- Anticipate technical problems with a potential impact on budget or schedule.
- Ensure that the acceptance of the components in the participant institutions comply with the specifications described in the Procurement Arrangement.
- Interact with the LIC Unit leader to successfully validate the IFMIF accelerator facility performance.
- Foster the team spirit in the LIPAc EU-HT in close cooperation with the EU Project Coordinator.

2. GENERAL CONDITIONS

A. ELIGIBILITY CRITERIA

A1. In order to be eligible the candidate must:

- Be a citizen of one of the Member States of the European Union or of a Third state fully associated with the Euratom fusion programme (Switzerland).
- Enjoy his/her full rights as a citizen.¹
- Have fulfilled the obligations imposed on them by the laws of their home country concerning military service.
- Meet the character requirements for the duties involved.
- Be physically fit to perform their duties².

A2. On the closing date for registration the candidate must possess:

At least a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is four years or more and, after having obtained the university degree, at least 9 years of proven professional experience;

OR

¹ Prior to any appointment, the successful candidate will be asked to provide a certificate issued by the competent authority attesting the absence of any criminal record.

² Before his/her appointment, the candidate shall be medically examined in line with requirement of Article 12(2)(d) of the Conditions of employment of other servants of the European Communities.

At least a level of education which corresponds to completed university studies attested by a diploma when the normal period of university education is three years and, after having obtained the university degree, at least 10 years of proven professional experience;

Only study titles that have been awarded by the Members of the Joint Undertaking or that are subject to the equivalence certificates issued by the authorities in the said Member States shall be taken into consideration.

A3. The candidate must possess a thorough knowledge of one of the official languages of the European Union and a satisfactory knowledge of another language of the European Union to the extent necessary for the performance of his/her duties³.

B. QUALIFICATIONS AND EXPERIENCE REQUIRED

B1 Essential Selection Criteria

- University degree in physics or engineering or equivalent.
- At least five years of accumulated professional experience in particle accelerators or nuclear fusion facilities;
- Experience in management of equipment assembly/commissioning within projects with complex interfaces;
- Experience in organisation and planning of projects;
- Experience in leading and coordinating personnel in a cooperative team environment;
- Excellent analytical, planning and decision-making capability;
- Good negotiating skills;
- Good command of both written and spoken English, the main working language of 'Fusion for Energy'.

B2 Advantageous Selection Criteria

- Technical experience in systems for RF linear accelerators;
- Experience in interface management;
- Experience in handling transport issues including Dual Use Items;
- Professional practical technical competence in nuclear, electrical and/or mechanical engineering;
- Knowledge of Codes and Standards;
- Ability to work under pressure;
- Working experience in a European or international setting, in particular past experiences in collaborations with Japanese teams/institutions.

³ In addition, staff members are required to have a working knowledge of a third EU language, as described in the applicable Staff Regulations and Implementing Rules in order to be considered for their first promotion.

4. CONDITIONS OF EMPLOYMENT

A contract offer will be made as a member of temporary staff, pursuant to Article 2(a) of the Conditions of Employment of other servants of the European Communities.

The successful candidate will be recruited in the grade AD8 on a contract with an initial duration of five years, with possibility of renewal. The probationary period is 6 months.

For more information on the selection process of Temporary Agents and on the contractual and working conditions, please, refer to:

- **Guide for Applicants:**

<http://fusionforenergy.europa.eu/careers/Documents/Annex%20to%20the%20VN.pdf>

- **Conditions of employment of Other Servants of the European Communities:**

<http://eur-lex.europa.eu/LexUriServ/site/en/consleg/1962/R/01962R0031-20060701-en.pdf>

The salaries of temporary agents are subject to a community tax deducted at source. They are exempt from national tax. The European institutions have their own social security and pension scheme. **As an indication, the basic monthly salary, before any deductions or allowances, for grade AD8 (step 1) is currently 6.299,95€.**

In addition to the basic salary, staff members may be entitled to various allowances, in particular a household allowance, expatriation allowance (16% of basic salary and household allowance), dependent child allowance and education allowance.

By way of an example and only as an indication, please see below the example of the monthly salary for a couple with 2 children including expatriation allowance (16%), dependent child (2 children under 6 years) allowance for 2 children:

AD8 step 1:

7,159.19 € net salary (including allowances, after taxes and pension contribution).

In addition, F4E offers social benefits with regards to schooling and a health insurance scheme.

Under certain circumstances, in particular where the jobholder is obliged to change his/her place of residence in order to take up employment, 'Fusion for Energy' may also reimburse various expenses incurred on recruitment, notably removal expenses.

The place of employment is **Garching, Germany.**

Although the working site is Garching, readiness is required to work repeatedly over extended periods at the LIPAc accelerator site at Rokkasho, according to the needs of the project

Given the needs of the organisation, the candidate may later be offered employment at any of the other F4E working places: Barcelona (Spain), Rokkasho (Japan) or Cadarache (France).

4. SUBMISSION OF APPLICATIONS

The online application process starts upon clicking "**CLICK TO APPLY**" next to a vacancy of your interest on the Open Positions page:

<http://fusionforenergy.europa.eu/careers/vacancies/Default.aspx>

Applicants must register their applications online through the F4E E-recruitment tool by creating a valid F4E user account and submitting the documents mentioned below.

Please note that the online e-recruitment application tool is the only acceptable means of sending in job applications. Applicants are responsible for keeping their e-mail addresses and personal details up to date in their profile in F4E online application tool.

The mandatory fields in the profile marked with an asterisk should be duly filled in and the candidates are requested to submit the following 2 documents:

- A detailed Europass Curriculum Vitae in **English** (can be obtained at the following address: <http://europass.cedefop.europa.eu/en/documents/curriculum-vitae>)
- A motivation letter of 2 pages maximum in English

Applications must be complete and validly submitted by the closing date for submission of applications

no later than 01/10/2013 at 12h00 noon, Barcelona GMT+1.

In case you encounter technical problems when trying to submit your application via the e-Recruitment tool, please make a screenshot and send it to:

e-recruitment@f4e.europa.eu

It is the responsibility of the applicant to inform 'Fusion for Energy' about any technical problem without delay within the deadline mentioned above.

Please, do not send any supporting documents (i.e.: copies of your ID-card, educational certificates, evidence of previous professional experience etc.) **with your application at this stage if not specified in the Vacancy Notice.**