

VACANCY NOTICE

POSITION TITLE	ELECTROMECHANICAL ENGINEER (F/M)
SELECTION REFERENCE	F4E/TA/AD6/2014/0187
GRADE	TEMPORARY AGENT – AD6
LOCATION	GARCHING, GERMANY
RESERVE LIST – MAXIMUM NUMBER	5
VALIDITY OF THE RESERVE LIST	31/12/2015
CLOSING DATE FOR APPLICATIONS	22/07/2014 AT 12.00 NOON, BARCELONA GMT+1

1. RESPONSIBILITIES

As a member of the LIPAc Team in the IFMIF Unit within the Broader Fusion Development Department of 'Fusion for Energy', the Electromechanical Engineer will support activities for the integration, procurement, and implementation of the LIPAc IFMIF Linear Prototype Accelerator.

The successful candidate will, among other tasks:

- Be involved in electromechanical engineering design activities at system and component level;
- Be involved in the technical supervision of procurement arrangements and their implementation, including the preparation and review of technical and management specifications, development of risk management plans, and ultimately in handling changes and non-conformities;
- Be involved in the follow up of industrial fabrication activities and the audit of industrial and institutional QA plans;
- Be involved in the execution of EM engineering analyses whereby he/she will have to undertake trade-offs amongst competing requirements and find lowest cost solutions. He/she will be required to show his/her knowledge of related analysis tools and of industrial codes and standards for electrical engineering.
- Contribute to the installation and commissioning activities of the LIPAc to be carried out in Rokkasho-Japan.

2. GENERAL CONDITIONS

A. ELIGIBILITY CRITERIA

A1. In order to be eligible the candidate must:

THE EUROPEAN JOINT UNDERTAKING FOR ITER AND THE DEVELOPMENT OF FUSION ENERGY

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<http://fusionforenergy.europa.eu>

- 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 of at least 3 years attested by a diploma and, after having obtained the university degree, at least 3 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 Electromechanical Engineering or equivalent;
- Experience in at least one of the following fields:
 - Design , analysis and manufacturing of Electromagnetic components;
 - Design , analysis and manufacturing for Power electronics and power conversion;
- Experience in definition and management of design requirements and interfaces;
- Evidence of strong communication skills;
- Evidence of good organisational skills and ability to work under pressure;
- Evidence of ability to integrate into an international and multicultural environment;
- Good command of both written and spoken English, the working language of the ITER Project.

B2 Advantageous Selection Criteria

- Experience in an international scientific project.
- Experience in managing projects.
- Experience in the construction of accelerators and/or superconducting magnet systems.

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.

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.

- Experience in follow-up of industrial fabrication and implementation/audit of quality plans.
- Experience in integration issues of Tokamaks and/or accelerators.
- Experience in industrial codes and standards for electrical or mechanical components.
- Experience of numerical analysis of electrical systems and/or electromagnetic fields.
- Experience in preparation of technical specifications.
- Experience in evaluation of costs, times and methods for the fabrication of components.
- Availability to undertake frequent missions to Japan.
- Working experience in a European or international setting.

3. 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 AD6 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 AD6 (step 1) is currently 4.921,28 €.**

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:

AD6 step 1:

6.057,73€ 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**.

Given the needs of the organisation, the candidate may be offered an employment at any of the other F4E working places: Barcelona (Spain) 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 22/07/2014 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: hr-selections@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.**