

VACANCY NOTICE

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| POSITION TITLE | TECHNICAL SUPPORT OFFICER (F/M) |
| SELECTION REFERENCE | F4E/CA/FGIV/2018/0122 |
| GRADE | CONTRACT AGENT – FGIV |
| LOCATION | BARCELONA, SPAIN ¹ |
| VALIDITY OF THE RESERVE LIST | 31/12/2019 |
| CLOSING DATE FOR APPLICATIONS | 14/09/2018 AT 12.00 NOON, BARCELONA TIME |

Fusion for Energy is seeking a Technical Support Officer to join a dynamic and highly motivated team in the heart of the global city of Barcelona, Spain.

Reporting to the Head of the Group, the Technical Support Officer will be responsible for providing support to the Project Teams in the area of Instrumentation & Control and CODAC interfaces.

The ideal candidate is a dynamic individual with a strong passion for scientific studies. He/she is not afraid of a challenge, is eager to apply what h/she has learned in university and is even more excited at the opportunity to deepen his/her learning whenever necessary. He/she is hard working, passionate for technology, result focused and willing to travel and work away from the office.

The Technical Support Officer will play an active role in one of the most ambitious applied research projects in the world today, which is committed to build a sustainable future for generations to come.

1. ORGANISATION SETTING

Fusion for Energy, or F4E, a European Union Joint Undertaking, headquartered in Barcelona, specifies and manages the production of the European contribution (45%) to the ITER project. This research fusion reactor in Cadarache, France, will progress fusion by a major leap towards clean and sustainable generation of abundant base load energy, complementing renewables.

ITER is one of the largest construction projects in Europe and the world's largest scientific partnership. ITER brings together seven parties that represent half of the world's population – the EU, Russia, Japan, China, India, South Korea and the United States.

Instrumentation & Control & CODAC Group, part of the **Technical Service** unit, is a transversal engineering service in charge of both managing the lifecycle of the control and data acquisition of plant systems and following-up their integration to the ITER central control infrastructure.

¹ Given the needs of the organisation, the candidate may be offered a position at any of the other F4E working places.

2. RESPONSIBILITIES

As a member of the TSS Unit, the Technical Support Officer will report to the Head of CODAC, Instrumentation & Control Group. He/she will be responsible for providing support to the Project Teams in the area of Instrumentation & Control and CODAC interfaces. In particular he will be asked to contribute to the development of the Electron Cyclotron Control System of ITER and to contribute to the application and development of standard solutions applicable to the ITER project.

The successful candidate, among other tasks, will be asked to do the following:

- Manage the control system of the Falcon test facility (EC test facility) in coordination with F4E Plasma Engineering project Team, ITER EC Team and European collaborators;
- Participate to the design of ITER EC Master Control system; follow-up contracts associated with it; coordinate with F4E Plasma Engineering project Team and ITER EC Team;
- Support the NB Project Team in the development of power supplies and Gyrotrons for the ITER EC Plant;
- Follow closely critical prototyping activities, whenever necessary providing strong technical leadership to the development;
- Participate to installation and commissioning activities;
- Identify and mature requirements, prepare technical specifications;
- Prepare contract documentations following F4E procedures;
- Follow up contractors activities, review deliverable, and coordinate contract meetings.

3. 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.²
- 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 duties³.

A2. On the closing date for registration, the candidate must possess the following minimum qualifications:

A level of education which corresponds to completed university studies of at least three years attested by a diploma

AND

In addition to the above, appropriate professional experience of at least one year, acquired after the university degree.

² 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.

³ Before his/her appointment, the candidate shall be medically examined in line with requirement of Article 82(3)(d) of the Conditions of employment of other servants of the European Communities.

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 produce evidence of a thorough knowledge of one of the languages of the Union and of a satisfactory knowledge of another language of the Union to the extent necessary for the performance of his duties⁴. One of the two languages must be English.

B. QUALIFICATIONS AND EXPERIENCE REQUIRED

B1 Essential Selection Criteria

- Master degree in engineering on a relevant subject:
Electronics Engineering, Control Engineering, Physics Engineering or equivalent:
 - Knowledge of control system engineering
 - Knowledge of electronics
 - Knowledge of software
 - Knowledge of signal processing
- Experience (at least 3 years) in development and integration of Control Systems having performed one of the following roles:
 - PLC software developer for a distributed PLC system
 - Embedded C/C++ developer for an embedded control system running on Linux, VxWorks, other embedded RTOS, or a bare-metal environment.
 - Designer of the data acquisition system: choice of hardware, cabling layout, grounding scheme, definition of control hierarchy.
- Ability to integrate into an international and multicultural environment.

B2 Advantageous Selection Criteria

- PHD in a relevant subject:
Electronics Engineering, Control Engineering, Physics Engineering (or equivalent);
- Experience in the development and/or operation of complex scientific plant control systems;
- Experience in the technical follow up of contract;
- Working experience in a European or international environment.

4. CONDITIONS OF EMPLOYMENT

Commitment to promote equal opportunities

‘Fusion for Energy’ is an equal opportunities employer and strongly encourages applications from all candidates who fulfil the eligibility and selection criteria without any distinction whatsoever on grounds of nationality, age, race, political, philosophical or religious conviction, gender or sexual orientation and regardless of disabilities, marital status or other family situation.

The candidate(s) placed on the reserve list may be recruited in the Function Group IV on a contract with an initial duration of three years, with possibility of renewal.

The established reserve list may also be used to fill similar positions at the same grade but for short term non-renewable contract agent 3(a) contracts (according to budget availability).

The probationary period is 9 months.

⁴ Before obtaining an employment contract for indefinite duration, contract agents in function group IV shall be required to demonstrate the ability to work in a third official EU language.

For more information on the selection process of Contract 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/LexUriServ.do?uri=CONSLEG:1962R0031:20140101:EN:PDF>

The successful candidate will be recruited in **function group IV (FG IV)**. The grade (13, 14 or 16) will be determined in accordance with the years of professional experience. **As an indication, the basic monthly salary, before any deductions or allowances for FG IV (grade 13 step 1) is currently 3.404,15€.**

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.

For further information on remuneration for contract agents, visit:
http://www.fusionforenergy.europa.eu/downloads/careers/Remuneration_CA.pdf

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 **Barcelona, Spain**.

Given the needs of the organisation, the candidate may be offered a position at any of the other F4E working places.

For reasons related to the 'Fusion for Energy' operational requirements, once the candidate receives the job offer, he/she may be required to be available at short notice (2 to 3 months).

5. 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 14/9/2018 at 12h00 noon, Barcelona time.

Reimbursement of travel expenses

Travel expenses incurred for tests will be reimbursed by 'Fusion for Energy' according to its rules for the reimbursement of travel expenses sent along with the letter inviting to an interview. After the submission of the required documents, the reimbursement of the travel expenses will occur in the 3 following months.

Protection of personal data - Privacy notice

'Fusion for Energy' as the body responsible for organizing the selection process, will ensure that applicants' personal data are processed as required by Regulation (EC) No 45/2001 of the European Parliament and of the Council of 18 December 2000 on the protection of individuals with regard to the processing of personal data by the Community institutions and bodies and on the free movement of such data. This applies in particular to the confidentiality and security of such data. Personal data shall be processed solely for the purpose of the selection procedure.

Applicants have the right to access and rectify their data. To update your CV and/or Motivation Letter and rectify any incorrect or inaccurate data, please login into your e-recruitment profile **before the deadline for submission of the applications elapses**.

After the deadline for applications has elapsed, this right will be limited to the rectification of identification details and contact information only.

Should the applicant have any query concerning the processing of his/her personal data, he/she shall address them to the following address: Resources-Controller@f4e.europa.eu

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.**

Appeal and Complaint procedures

Applicants that consider that he/she has been unfairly affected by a particular decision regarding this selection can lodge a complaint. For further details on how to proceed, please consult the appropriate document published on our [website](#).

6. RESERVE LIST

Suitable candidates placed on the reserve list may be recruited upon decision of the Appointing Authority. Candidates should note that inclusion on the reserve list does not guarantee recruitment.

This reserve list may be used for recruiting candidates on other similar positions carrying the same profile as the one described in this notice.

The validity of the reserve list could be extended if the Appointing Authority so decides.

All the detailed information concerning the selection process may be found in the “Guide for applicants” published on the F4E website along with this Vacancy Notice.