



EUROPEAN FUSION DEVELOPMENT AGREEMENT

EFDA Close Support Unit Culham
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**To the Heads of Research Units in EU Fusion
Associations and to the Representatives of the
new Member states and associated countries**

- Via E-mail -

EFDA CLOSE SUPPORT UNIT – CULHAM/GARCHING VACANCIES

Dear Colleagues

Please find enclosed vacancy announcements for positions in the two EFDA Close Support Units.

I would be very grateful if you could ensure that the attached job descriptions are circulated within your Association. The deadline for applications is **30 April 2011**.

Please send a copy of all applications to **Catherine Soltane** (Head of Administration)
Catherine.soltane@jet.efda.org

I thank you in advance for proposing any suitable candidates and for your continued support for the EFDA activities.

JOB DESCRIPTIONS OF POSITIONS FOR PUBLICATION WITHIN THE ASSOCIATIONS

Title of the Position: Senior Advisor to the EFDA Leader

RESPONSIBILITIES:

- International Collaborations under EFDA responsibility
 - Manage and foster collaborations with US, Japan, Russian Federation, People's Republic of China, Korea, New EU Member States, Kazakhstan and Brazil to mutual benefit of respective parties; propose, approve and manage personnel assignments to and from EFDA-JET in liaison with the JET Department.
 - Prepare EFDA input for and participate as expert in Steering Committees for International Bilateral Agreements between EURATOM and third parties; Prepare EFDA input for, and participates as expert or as alternate member in, Executive Committee meetings of IEA Coordinated Tokamak Programme Agreement; substitute for EFDA Leader, when necessary.
- EFDA participation to the EIROFORUM activities
 - Develop active cooperation within EU science at large through EIROforum
 - Provide active support to EFDA Leader in his reporting to EIROforum Assembly of Directors General;
 - Substitute for EFDA Leader, when necessary, and participate as an Expert;
 - Participate as member of EIROforum Coordination Group and EIROforum Thematic Working Group on EU Affairs;
 - Participate in preparation of position papers, workshops and seminars.
- Public Relations:
 - Assist EFDA Leader in management of Public Relations activities; and substitute for EFDA Leader in scientific, VIP, foreign visits and PR events, when necessary.
- Relation with EFDA Associates
 - Assist the EFDA Leader in his advisory role to the EFDA Associates
 - Substitute for EFDA Leader, when necessary, in the participation to the Steering Committee of the Associations;
- Relation with EFDA Topical Groups
 - Liaison with Topical Groups in their advisory role to the EFDA Leader.
- Management of Remote Participation within EFDA
- Assisting, within his field of responsibilities, the EFDA Leader in reporting and presentations to the various Committees

Qualifications/ Competencies

- Extensive experience in fusion physics;
- Extensive knowledge of the European fusion system and specifically of EFDA;
- Experience in leading international collaborations and research programmes, organise scientific conferences and workshops;
- Broad knowledge of policy issues related to EU and international fusion programmes; considerable experience in developing and implementing research programmes reflecting relevant policy framework;

The Senior Adviser will work in Culham, United Kingdom and will report directly to the EFDA Leader.

DATE OF VACANCY: IMMEDIATE – APPLICATION REQUESTED BY 30TH APRIL 2011

CONTACT: Francesco Romanelli (EFDA Leader)
Tel: +44(0)1235 46 44 00
E-mail: Francesco.Romanelli@jet.efda.org

Department: Power Plant Physics and Technology

TITLE OF THE POSITION: SENIOR DESIGN AND SYSTEMS INTEGRATION ENGINEER

Background

The responsible officer will supervise and lead design/ analysis work, and engineering and system integration activities, to be carried out under the Power Plant Physics and Technology (PPP&T) Implementing Agreement (IA). He/ she will directly liaise with project teams to be established in a number of interested Associates and will be the point person in the PPP&T Department for managing all technical aspects related to system design and analysis, system integration, definition of load specifications and management of design criteria.

Responsibilities

- Support the PPP&T design group activities and this will include support and coordination for projects based outside of the PPP&T core team.
- Supervise and lead a full range of technical analyses and investigations, including evaluation and selection of technical options, individually or as a member of a project team.
- Lead engineering or support activities in the field, prepare/ review a full range of specifications (System, Sub-System etc.), help develop designs in line with specifications.
- Lead or support task preparation for future design and analysis work.
- Develop, system design procedures, analysis procedures and quality standards;
- Undertake individually or as a member of a project team the definition of load specifications and design criteria.
- Supervise computer-aided design work for the design activities under his / her responsibility.
- Liaise and manage design work conducted in the Associates; participate to design reviews on work performed in Associations
- Plan and support, together with IT, a design information system, including DMS, dedicated to share engineering information data and design work.
- Support the PPPT design group in the development of common practices between various sites.

Qualifications/ Competencies

- University degree in Engineering or equivalent discipline;
- Minimum of 5 years of relevant working experience in a Systems Engineering environment.
- Previous management experience and ability to work effectively as part of a cross functional engineering design team is essential.
- Proven analytical and problem solving skills e.g. system study trade-offs.
- Ability to effectively generate design documentation, quality procedures and reports.
- Excellent interpersonal, communications and computer skills.
- Good knowledge of the English language, both written and spoken.

The Responsible Officer will work in Garching, Germany and will report directly to the Head of Department.

DATE OF VACANCY: IMMEDIATE. APPLICATION REQUESTED BY 30TH APRIL 2011

CONTACT: Gianfranco Federici (Head of PPP&T Department)

Tel: +49 89 32 99 42 28

E-mail: gianfranco.federici@efda.org

Department: ITER Physics

Title of the Position: Head of the ITER Physics Department

Responsibilities:

The post holder will be expected to assume responsibility for the management of the ongoing activities in the ITER Physics Department at the EFDA Close Support Unit in Garching

- Elaboration of the EFDA Work programme in his area of responsibility. Definition and supervision of the EFDA Task Agreements concerning all activities within the ITER Physics Department.
- Coordination of the activities of the two European Task Forces (PWI and ITM), of the HPC Implementing Agreement and of the preparation to the EU participation to the activities presently being developed under the Broader Approach (JT60 SA and the IFERC computer); the coordination of the activities in the other Topical Areas (Transport, MHD, HCD&F (physics) and non DEMO related Diagnostics).
- Responsible for co-ordination of the EU voluntary physics R&D in support of ITER through the International Tokamak Physics Activity (ITPA).
- Management of the ITER Physics Department at the EFDA Close Support Unit in Garching.

Qualifications/ Competencies

- Extensive experience in fusion physics, particularly in relation to issues concerning integrated tokamak modelling;
- Extensive knowledge of issues relating to the development and operation of tokamak devices, plasma diagnostics and heating and current drive systems;
- Ability to lead international collaborations and research programmes, co-ordinate international teams of physicists, define and manage contracts on behalf of EFDA, organise scientific conferences and workshops;
- Broad knowledge of policy issues related to EU and international fusion programmes;
- Extensive experience in management and supervision of scientific research staff;

The Head of the ITER Physics Department will work in Garching, Germany and will report to the EFDA Leader.

DATE OF VACANCY: SUMMER 2011 – APPLICATION REQUESTED BY 30TH APRIL 2011

CONTACT: Francesco Romanelli (EFDA Leader)
Tel: +44(0)1235 46 44 00
E-mail: Francesco.Romanelli@jet.efda.org

Department: Administration

Title of the Position: Administrator

Background

The EFDA Administration Department is responsible for the general administration and logistic of EFDA. This Department is mainly located in Culham, with an administrative team located in the Garching Close Support Unit dealing with the administrative matters, such as finance, personnel and contracts. This team also supports the 2 technical Departments located in Garching with the preparation and the implementation of the annual Work Programme.

The Administrator will have the role of Team Leader as well as delegation to act on behalf of the Head of Administration.

Responsibilities:

The Administrator will have the following main duties:

- Implementation and monitoring of budgets in conjunction with the European Commission and the Host Association.
- Administration of the CSU staff: planning, secondments and missions. Supervision of the activities of the support staff made available by the Host organisation.
- Interaction with the Host with regard to
 - the Support Staff made available to the CSU
 - the logistics needed
- Preparation of Task Agreements: call for proposals; draft Task Agreement in collaboration with the technical Responsible Officers, implementation and financial follow up.
- Coordination of training projects with Associations: fellowships, training projects.
- Assist the EFDA Leader and the Head of Administration with the preparation of committee reports, such as budgetary reports, staffing reports, Work Programme implementation and all other requests.
- Coordinate the management of the IT Tools in the CSU.

The Administrator will be supported in his/her work by an assistant.

Qualifications/ Competencies

- University degree (preferably in law, economics or equivalent)
- Adequate experience (at least ten years) in the areas related to the job description and able to work and organise her/his work independently
- Experience in management
- A good knowledge of EFDA is indispensable
- Good knowledge of English, both written and spoken, is required.

The Administrator will work in Garching, Germany and will report to the Head of Administration.

DATE OF VACANCY: 1ST SEPTEMBER 2011 – APPLICATION REQUESTED BY 30TH APRIL 2011

CONTACT: Catherine Soltane (Head of Administration)

Tel: +44(0)1235 46 46 21

E-mail: Catherine.soltane@jet.efda.org