IO1086 Scientist Coordinator FST-005

General information

| Job category | Standard |
|--------------|--|
| Confidential | No |
| Status | Confirmed |
| Departments | FST/Department for Fusion Science and Technology |

Job description

| Main job | Science - Plasma physics |
|--------------------------------|--|
| Title of the position | Scientist Coordinator FST-005 |
| Type of contract | Scientific coordination |
| Duration of the contract | Up to 5 years |
| Grade | P4 |
| Direct employment | Not required |
| Supervised by: | Deputy Director General (DDG) |
| Purpose | To support the Deputy Director-General (DDG) and Assistant Deputy Director-General (ADDG) for the Fusion Science and Technology (FST) Department through co-ordination of and contributions to the analysis of confinement and stability physics for ITER and by the definition of relevant physics requirements to meet the ITER operational and performance specifications. This involves close interaction with the ITER Parties in the specification, implementation and monitoring of relevant activities. |
| Main duties / Responsabilities | Defines and manages a program of experimental and modelling R&D activities on the analysis of transport and stability physics in ITER plasma scenarios, with particular emphasis on physics processes in the edge pedestal and their influence on plasma performance; Makes major contributions to the specification and analysis of ITER plasma operation scenarios through a leading role in the definition of plasma transport and stability processes; Makes major contributions to the definition of ITER requirements for an integrated plasma modelling capability for the analysis of ITER plasma operation scenarios through a leading role in the definition of plasma transport and stability processes, in particular in relation to such processes in the edge pedestal; Leads contributions to the planning for ITER plasma commissioning and operation; Integrates R&D results and analysis from the ITER Members on aspects of plasma transport and stability physics, particularly as they affect the plasma edge pedestal, and the analysis of their implications for ITER plasma operation scenarios; Interacts with and co-ordinates experts in the ITER Members in the tasks of defining, implementing and monitoring activities in this area; Contributes to the preparation of documentation defining operational performance requirements for ITER plasma scenarios and synthesizing predictions of ITER's performance; Provides support to the management of the FST Department as they collaborate with the ITER construction activities; Supervises ITER staff and visiting researchers who contribute to activities in the area of plasma transport and stability analysis; Shows strong commitment to the ITER safety program and enforces it through individual behaviour and in his/her organisation; Maintains a strong commitment to the implementation and perpetuation of ITER values and ethics. |
| Measures of effectiveness | Successfully implements the R&D program which aims to effectively supports the analysis of plasma transport and stability physics and also the definition of ITER plasma operation scenarios and the planning for ITER plasma operation; Successfully develops a team activity in these areas of ITER physics and maintains effective support for ITER construction activities in related areas; Successfully develops R&D activities within the international fusion community in this area in support of ITER construction and the preparations for operation. |

| Level of study | PhD or equivalent degree |
|----------------------|---|
| Diploma | in a relevant area |
| Level of experience | At least 10 years |
| Technical experience | Outstanding expertise in experimental and/or theoretical aspects of fusion physics, in particular in relation to transport and stability aspects of the plasma edge pedestal. At least 10 years' experience in fusion research, with significant project management experience and proven technical leadership abilities. Extensive experience in managing international collaborations and demonstrated ability to represent an international organization such as ITER. |
| Social skills | Ability to work effectively in a multi-cultural environment , Ability to work in a team and to promote team work, Ability to communicate effectively |
| Specific skills | Ability to organize and to contribute effectively to teams. Excellent written and verbal English communication skills. |
| Languages | English (Fluent) |
| General skills | MS Office professional applications (Access, Project, Publisher, Visio), MS Office standard applications (Word, Excel, Powerpoint, Outlook) |

Origin of the job

| Entity | ITER ORGANIZATION |
|---------------------|-------------------|
| Date of recruitment | 7/1/2010 |
| Recruitment reason | Replacement |

HR Follow-up

| Email alerts | Every 10 applications |
|--------------------------------|-----------------------|
| Main recruiter in charge | Hang Wang |
| Alert recipient(s) | Hang Wang |
| Publication default start date | 3/15/2010 |
| Publication default end date | 4/14/2010 |
| Automatic update | No |