

PROGRAMME MANAGEMENT UNIT, ITER Physics Department

TITLE OF THE POSITION: Responsible Officer for the organisation of the JET campaigns in the ITER Physics Department

A position is available for the Responsible Officer in the ITER Physics Department of the EUROfusion Programme Management Unit in Culham, United Kingdom. The Responsible Officer reports to the Head and Deputy Head of the ITER Physics Department.

The ITER Physics Department supports the Programme Manager in the implementation of the European fusion physics Roadmap for the 14 Work Packages: JET Campaigns (JET1), Medium Sized Tokamak Campaigns (MST1) and Support Activities (MST2), Technological Exploitation of DT Operation (JET3), JET Enhancements (JET4), JET Plasma-Facing Components (JET2), PFC Test Facility Work (PFC), Assessment of New Divertor Concepts (DTT1) and the Design of the Divertor Test Tokamak (DTT2), Preparation for the Exploitation of JT-60SA (SA), Code Development (CD), Hardware and Software Integrated Support Activities (ISA), and the W7-X Stellarator Campaigns (S1) and Support Activities (S2).

The EUROfusion Programme Management Unit at JET is, in particular, responsible for coordination of the preparation and implementation of the JET work programme, for the support of the JET Task Force Leaders (TFLs) and Project Leaders, and for the implementation of JET enhancement projects. The selected candidate shall be responsible for the preparation and implementation of JET experimental campaigns (JET1), including the related analysis and modelling activities, and, shall support the JET TFLs. He/she shall also contribute to developing and overseeing the ITER Physics Department strategy in the area of plasma scenarios or/and plasma exhaust for JET. He/she will work in close coordination with the JET Exploitation Unit. In the 2014-2018 period, a particular goal will be managing the preparation, execution and analysis of the next phase of deuterium-tritium experiments on JET. The duties of the Responsible Officer are listed below.

- Preparation of the JET campaigns: preparation of documentation for calls for participation in the JET programme, organisation of appropriate meetings, preparation of documentation, oversee and support the evaluation of proposals, preparation of the annual work programme and the task agreements, in liaison with the JET TFLs. Supports the implementation of the JET experimental campaigns and subsequent analysis (modelling of results and their extrapolation towards ITER and DEMO), maintains JET experimental schedule, facilitates regular monitoring and review of the JET programme and prepares, in liaison with the JET TFL, annual reports on the execution of the programme.
- Implementation of the Annual JET1 Work Programme: ensure good budget control, monitor project progress, report progress to the Programme Manager.
- Evaluation of the JET1 Work Programme: review and report on the accomplishments of the project members. Monitoring the execution and analysis of JET experiments



and associated tasks. Support to the JET TFLs in the assessment of the accomplishments of the members and in the endorsement of deliverables.

- Programme planning: Support the Programme Manager to ensure that the level-1 schedule of the Roadmap is maintained. Specifically, in the area of the JET experimental campaign activities participate in the planning and monitoring of the EUROfusion strategy.
- Work Programme integration: coordinate work with relevant activities in other campaigns (e.g. Medium Size Tokamaks) and projects (e.g. WPSA, WPCD) and liaise with relevant external bodies, including the International Tokamak Physics Activity, ITER-CT and F4E.

Candidates must have:

- significant and broad experience in plasma physics at PhD level or higher in the area of either plasma scenarios or plasma-wall interactions and heat exhaust;
- experience in preparing and monitoring scientific programmes;
- familiarity with JET programme;
- a good working knowledge of English and ability to work in an international team;
- human skills to help resolve difficult issues when they arise;
- experience in project management together with an understanding of contractual issues.

The Responsible Officer shall work in Culham (UK) and report to the ITER Physics Department management. **Candidates should provide a CV and a motivation letter.**

ENVISAGED STARTING DATE OF EMPLOYMENT: 01 September 2015

APPLICATION REQUESTED BY: 01 July 2015

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