

PROGRAMME MANAGEMENT UNIT, ITER Physics Department

TITLE OF THE POSITION: Responsible Officer for Plasma Facing Component Project (PFC) 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 Garching, Germany. 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 Campaign (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 successful candidate shall be responsible for the Plasma Facing Components (PFC) project where they shall work with and support the PFC Project Leader. They shall also take a leading role in developing and overseeing the ITER Physics Department strategy in the area of plasma exhaust. The duties of the Responsible Officer are listed below.

- Definition of the PFC Work Programme: call appropriate meetings, prepare documentation, oversee and support the evaluation of proposals, prepare annual work programme, the task agreement, in liaison with the PFC Project Leader.
- Implementation of EUROfusion experiments on PFC test facilities including analysis of result.
- Implementation of the Annual PFC Work Programme: ensure good budget control, monitor project progress, report progress to the Programme Manager.
- Evaluation of the PFC Work Programme: review and report on the accomplishments of the project members.
- Programme planning: Support the Programme Manager to ensure that the level-1 schedule of the Roadmap is maintained. Specifically, in the area of plasma exhaust, lead activities on the planning and monitoring of the EUROfusion strategy.
- Work Programme integration: coordinate work with relevant work in other campaigns and projects and liaise with relevant external bodies, including the ITER Organisation and F4E.

In addition, the successful candidate shall support the Programme Manager in other reasonable duties in support of the Fusion Roadmap, particularly in relation to Scrape-off Layer physics and plasma-wall interactions.

Candidates must have:

- significant experience in plasma physics at PhD level or above in the area of plasma-wall interactions or Scrape-Off Layer physics
- experience in preparing and monitoring scientific programmes
- a good working knowledge of English
- ability to work in an international team.
- experience in project management

The Responsible Officer shall work in Garching (Germany) (possibility to work at Culham could be considered with regular missions to Garching) and report to the Head and Deputy Head of the ITER Physics Department.

Candidates should provide a CV and a motivation letter.

ENVISAGED STARTING DATE OF EMPLOYMENT: IMMEDIATE
APPLICATION REQUESTED BY: 01 July 2015

CONTACTS: Xavier Litaudon (Head of ITER Physics Department) at Culham
Tel: + 44 1235 46 46 21
E-mail: xavier.litaudon@euro-fusion.org

Darren Mc Donald (Deputy Head of ITER Physics Department) at Garching
Tel: +49 176 8433 2101
E-mail: Darren.McDonald@euro-fusion.org