

Job description

European Fusion Development Agreement (EFDA) Head of Department for Power Plant Physics and Technology

Background

The joint CCE-FU / F4E GB ad-hoc group on DEMO activities formulated the following recommendations:

[The AHG] recommends that all EU DEMO related activities to be carried out during the ITER construction period be coordinated, technically, by a " DEMO Core Group" in EFDA of about 3 to 5 professionals. It further recommends that the EFDA "DEMO Core Group" be set up as soon as practicable in 2010 in order to:

- Specify DEMO design activities to be carried out until the end of 2013, as outlined in this report [...]. The feasibility assessment of a stellarator FPP and of a CTF and the role of the latter in the realisation of fusion could also be addressed [...].
- Perform other duties as charged by the EFDA Leader, such as the coordination of all European R&D on emerging technologies and physics activities outlined above [...].

Profile

The EFDA Head of Department for Power Plant Physics and Technology will be the main driver in the definition of the EFDA activities on Power Plant Physics and Technology. She/he must have broad knowledge in plasma physics, in fusion technology and in fusion engineering.

The Head of Department for Power Plant Physics and Technology must have an adequate understanding of project management and a proven managerial capacity. Good communication skills and experience in negotiations would be an advantage.

PhD degree in physics or engineering or equivalent.

Very good / excellent knowledge of English.

Functions and Duties

The Head of Department for Power Plant Physics and Technology shall report to the EFDA Leader. He shall provide support to the EFDA Leader for the EFDA activities on Power Plant Physics and Technology and will contribute to the development of the overall EFDA work programme in coordination with the other EFDA Units or Departments.

The Head of Department for Power Plant Physics and Technology shall be in charge of managing the Power Plant Physics and Technology Department. He will have overall responsibility for the definition and management of the activities carried out under the Power Plant Physics and Technology Implementing Agreement (IA) covering Power Plant Physics and Technology. In this respect she/he shall:

- (i) prepare the Power Plant Physics and Technology IA Work-Programme;
- (ii) (be responsible for the coordination of the execution of the work specified; and
- (iii) prepare reports on the implementation of the Power Plant Physics and Technology IA Work Programme.

The Head of Department for Power Plant Physics and Technology will be supported by members of the Close Support Unit in Garching under his supervision.

Place of Work

The Head of Department for Power Plant Physics and Technology shall be based in Garching (Germany).

According to the EFDA provisions, the appointment will be for a continuous period of not more than 4 years, under the provision that EFDA is prolonged beyond 2011.