

Prospective Research and Development (PRD) Coordinator

Background

The aim of the Prospective R&D Coordinator role is to look beyond DEMO towards commercial fusion power and to try to ensure that research into reactor technology and physics beyond DEMO is integrated into a reactor-design framework, and that possible advances which lead to commercially-viable fusion power are identified and investigated. As such it is targeted at delivering EUROfusion Mission 7: Competitive cost of electricity. Although these technologies and physics scenarios are “post-DEMO” consideration must be given to how DEMO can be used to help deliver the evidence basis necessary to allow them to be deployed as soon as possible, and therefore there is a strong coupling with the DEMO design integration programme. Given the lead time for development of fusion technologies, if the benefits of a successful DEMO are to be fully realised in a reasonable timeframe, a parallel research programme already established to build on its developments is vital.

The PRD Coordinator works in the Fusion Technology Department (FTD) and manages the Prospective Research and Development Work Package (WPPRD).

Main duties and responsibilities

- To work with Work Package Leaders and head of the Fusion Technology Department to identify gaps between DEMO and a fusion power plant, and identification and management of R&D programmes to address them.
- Identification and management of R&D tasks in support of the DEMO programme, such as back-up or alternative solutions not mature enough to be pursued in the DEMO programme itself.
- Preparation of a biennial Programmatic Workshop in consultation with the DEMO Project Board (DPB) and FTD Department Head. Participation in drawing conclusions impacting future strategy and multi-annual work plans.
- Preparation of budget recommendations for the Work Packages concerned with longer term prospective R&D and fusion power plants.
- Identification of technical and project/programme risks, and proposal of risk mitigation measures.
- Coordination of preparation of annual reports for the Programme Manager and regular reports for DPB.
- Additional responsibility within PMU for Socio-Economic Studies Work Package (WPSES).

Required / desired qualifications and competencies

- University degree in a relevant engineering / technical discipline.
 - Experience in developing and implementing project or programme management and technical management processes
 - Broad knowledge of nuclear fusion technologies across different plant systems and understanding of how they integrate with each other.
 - Ability to work effectively both independently and as part of a team.
 - Good interpersonal skills and excellent written and verbal communication skills in English
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Fusion Technology Department (FTD)

The postholder reports directly to the FTD Head.

Date of Job Vacancy: Dec 1st, 2023

Application Deadline: Sept 20th, 2023

The applicant will ideally already have a work contract with a EUROfusion Beneficiary and will be seconded to the EUROfusion Programme Management Unit (PMU) in Garching.

The EUROfusion secondment will ideally run until the end of the Horizon Europe framework period (31 December 2027), but the actual labour contract might be subject to the rules, regulations and conditions of the Beneficiary that employs the applicant.

EUROfusion strives for diversity and inclusion, and explicitly encourages members of minority groups, and females, to apply for this position.

In case the candidate is shortlisted, the interviews will take place within 2-3 weeks after the application deadline

Please send your completed application including CV, cover letter and examples of your past-related work experience to: gianfranco.federici@euro-fusion.org.

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