

## **CEA Cadarache Fusion Research trainee**

The Euratom-CEA Association intends to appoint an engineer who has recently completed a doctorate, to a 2 years training program in the framework of the European Fusion Training Scheme (EFTS).

The aim of the EFTS set up by the European Commission, is to train young engineers in Fusion technologies. MATEFU as MAGnet TEchnology for FUSion is one component of the EFTS, applied to the magnets and cryogenic system of fusion devices.

Two different training programme profiles are proposed within the MATEFU scheme:

- The first is focused on magnet mechanics including coil design, material, fabrication, and testing.
- The second is focused on thermohydraulics, cryogenics and instrumentation applied to the magnets.

The programme of education is linked to the activities on the JT-60SA project and partially on the ITER project at CEA-Cadarache. Trainees are integrated within each project team, in order to get the best overview of the work performed, and to be gradually involved into the details of the activities.

Candidates are expected to be highly motivated and able to take initiative. A first experience in superconducting conductors or magnets R&D will be appreciated. There will be opportunities and funds for complementary trainings and conference attendance. The candidates will be based at IRFM - CEA Cadarache (France) but will be able to join training programmes at FZK (Karlsruhe – Germany) for several months.

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