



EUROPEAN COMMISSION

DIRECTORATE-GENERAL
JOINT RESEARCH CENTRE
Directorate B - Resources
Recruitment and Training

2014-PTT-F5-FGII-3793

FG II Project Assistant for Severe Accident Modelling and Database Management

The Institute for Energy and Transport (IET) in Petten (NL) and Ispra (I) contributes to the conception, development, implementation and monitoring of community policies related to energy and transport. Special emphasis is given to scientific research in support of the security of energy supply and sustainable and safe energy production, both in the nuclear and non-nuclear fields, and of sustainable transport. The Nuclear Reactor Safety Assessment Unit (NRSA) in Petten is looking for **a contractual agent to carry out various scientific tasks in support to the Nuclear Reactor Accident Analyses and Modelling activities.**

Following the Fukushima accident, the NURAM project (Nuclear Reactor Accident Analysis and Modelling) was created and is now a fast growing activity of the Institute for Energy and Transport. This project has a special focus on Severe Accident Analyses and Source Term evaluation for EU NPPs, on support to evolving EU legislation and development of highest Safety Standards in the EU especially in the frame of the 'EU Stress Tests' follow-up.

To support the JRC activities in the field of accident modelling and accident management of NPPs, the JRC is looking for a dynamic and motivated candidate who will mainly perform the following tasks:

- Gathering and processing information necessary for the elaboration of Nuclear Power Plants input decks (mainly for PWR, VVER and BWR) used by the NURAM Project Leader and NURAM scientific officers for Severe Accident analyses.
- Supporting the continuous development of the JRC STRESA (**S**Storage of Thermal **R**eactor **S**afety **A**nalysis Data) Database to ensure preservation of experimental data produced in the EU for Severe Accident computer codes validation

The work to be performed will contribute both to JRC institutional (NURAM project) and competitive activities (ongoing Euratom FP7 project CESAM (Code for European Severe Accident Management)).

The ideal candidate should have:

- Competence and expertise in the field of data management especially data related to Nuclear Power Plants and R&D projects
- Competence in Information Technology
- Capacity to achieve results under tight deadlines, good communication and sense of initiative
- Excellent interpersonal skills, including the ability to operate effectively across organizational boundaries and establish and maintain effective partnerships and working relations in a multicultural, multi-ethnic environment with sensitivity and respect for diversity.
- Excellent command of written and oral English is required.

Institute/Direc torate Unit	Institute for Energy and Transport (IET) Nuclear Reactor Safety Assessment Unit (F.5) Further information: http://iet.jrc.ec.europa.eu/ http://www.jrc.ec.europa.eu
Indicative duration	12 months initial contract with possible renewals up to maximum 6 years
JRC Site Country	Petten the Netherlands
Rules and eligibility	<p>The candidate must be on a valid EPSO reserve list for Function Group II contract staff or must have applied for COM/1/2013/GFII via EU CV Online database.ⁱ</p> <p>Auxiliary contract staff: http://ec.europa.eu/dgs/jrc/index.cfm?id=3730</p> <p><i>Please note that due to the high number of applications received only shortlisted candidates will be contacted.</i></p> <p><i>Please note that applications which have not been updated for 6 months will be deactivated from EU CV Online. Before applying for this vacancy check that your application for COM/1/2013/GFII is still valid in the database otherwise you might not be considered eligible for this position.</i></p>

ⁱ http://ec.europa.eu/civil_service/job/cvonline/index_en.htm