

CALL REFERENCE NUMBER : IE-09-2-10-F04-CAPTURE-2

Type of traineeship: 1

Project Title	<b>Development of the Next Generation Nuclear Reactors Training Course Syllabus</b>
Project Description	<p>Staff ageing and mobility are significantly contributing to the loss of knowledge in the nuclear technology area. The experts who took active part in design and commissioning of most NPPs decades ago are gradually disappearing from an active role. Knowledge on the original designs, features, and related technology and scientific background is in danger to be lost. In parallel a nuclear renaissance is developing due to CO<sub>2</sub> issues. The JRC's project "CAPTURE" is consolidating expert knowledge, of which Training Courses are designed. One of its Training Courses is on Next Generation Nuclear Reactors. The proposed trainee project will contain the following tasks in close co-operation with a University:</p> <p>a) Editing a professional Training Course Syllabus</p> <p>b) Establishing testing criteria for the evaluation of the knowledge learned through the Training Course</p> <p>c) Certification of the Training Course through the European Nuclear Education Network ENEN (<a href="http://www.enen-assoc.org">www.enen-assoc.org</a>)</p> <p>The work would be expected to lead to a publication.</p>
Qualifications/ Expertise needed	The candidate should be in preparation of a thesis for a university degree or Master's degree or PhD (as stipulated in the <u>Rules governing the Traineeship Scheme</u> ) in the fields of science or engineering. Knowledge of one or more of the following would be an advantage: basic principles of nuclear engineering, analytical thinking and editing skills
Duration (min. 3 months-max. 12 months)	6 months
Location	Petten, NL
Scientific Responsible	Dr. Ulrik von Estorff
IE Mail Contact	<a href="mailto:jrc-ie-trainee@ec.europa.eu">jrc-ie-trainee@ec.europa.eu</a> <a href="mailto:Ulrik.Von-Estorff@ec.europa.eu">Ulrik.Von-Estorff@ec.europa.eu</a>
	Further information on project can be found at: <i>Institute for Energy, Action: CAPTURE (<a href="http://capture.jrc.ec.europa.eu">http://capture.jrc.ec.europa.eu</a>)</i>



	Instructions on how to apply can be found at: Institute for Energy <a href="http://ie.jrc.ec.europa.eu/jobs/trainees.php">http://ie.jrc.ec.europa.eu/jobs/trainees.php</a>
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