



Monthly Bulletin

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In this bulletin

In this issue, we have updated the list of courses, **adding new information on pre-existing and new courses.**

On the spot, we have the MOOC by UNED and Tecnatom on Nuclear safety culture, whose date has been fixed for October 1st, 2019.

Then, the Course by **FUSENET and Framatome** on **Regulation and its Application in Nuclear Projects** is going to be repeated in September.

In addition, we continue advertising about **independent E&T activities in the nuclear field**, not belonging to the ANNETTE Project.

We again retrieve the suggestion that, **if you apply for support by the ENEN+ project, you should prompt the Course Providers about this request, soon at the time of being contacted.**

Please, also read the ENEN+ [Mobility Manual](#) for knowing the conditions for applications and avoid rejection.

We had up to now more than 280 applications most of them for multiple courses. However, finalised applications have been less numerous. So, please, keep in touch with ENEN Staff and Course Providers to solve any problem for assuring participation.

Thanks for your interest in our courses !

[Link to the course application page](#)

[Link for asking support for mobility to the ENEN+ project](#)

[PLEASE LOOK ALSO AT THE COMPLETE OFFER FOR LAST MINUTE SELECTION OF COURSES ALREADY ADVERTISED](#)

[Course on Experimentation in Josef Underground Facility](#)

A HANDS ON TRAINING in real applications

2 - 4 September 2019



Course Outline and Content

The course is aimed to provide hands-on experience in laboratory and in-situ testing of soils and rock mass related to geological disposal. The program of the three days training is conceived to progress from laboratory to the real scale tests in the Underground facility Josef. The content utilize long term experience with real geotechnical experiments and applications. It includes tests in a laboratory and in-situ with real tools and equipments, data collection and evaluation of results.

The course is made of the following units:

Unit 1: Geotechnical testing of soils (bentonite as a buffer & backfill)

- Geotechnical laboratory tests on soils
- Installation of bentonite seal by spraying and sampling and evaluation of bentonite seal

Unit 2: In-situ testing of the rock mass

- In-situ tests on water (gas) permeability of the rock mass

	<ul style="list-style-type: none"> • Thermometer assembly and installation • Data transfer and processing <p><u>Requested Background</u> The learner is assumed to have basic knowledge of soil and rock mechanics. More in course details.</p> <p><u>Course fee and application</u></p> <ul style="list-style-type: none"> • no fee to Annette participants • In order to apply for this course, please enroll at the ANNETTE application page • Maximal number of attendees: 8 <p><u>Method of Delivery:</u> hands-on training in laboratory and underground</p> <p><u>Trainers:</u> Radek Vasicek (course leader, radek.vasicek@fsv.cvut.cz), Jiri Svoboda, Jiri Stastka (all CTU, the Josef facility)</p> <p><u>Place of delivery:</u> The Josef Underground Laboratory (map); Smilovice 93, 262 03 Chotilsko; Czech Republic</p> <p><u>Accommodation and transport:</u> Self organised and self paid by the attendees; for more information and advice please contact our administrative contact</p> <p><u>Administrative contact:</u> Dana Pacovska - pacovska@fsv.cvut.cz</p> <p><u>Date of delivery:</u> 2 - 4 September 2019</p> <p><u>Organised by:</u> Centre of Experimental Geotechnics, Faculty of Civil Engineering, Czech Technical University in Prague, Thakurova 7, 166 29 Prague 6, Czech Republic</p>
<p>MASSIVE OPEN ONLINE COURSE ON NUCLEAR SAFETY CULTURE</p> <p>By TECNATOM and UNED October 1st, 2019</p>	<div data-bbox="493 891 901 958">   </div> <p>MOOC (Massive Open Online Course): Introducing safety culture and its application to the nuclear field A completely online, free, international course. General information about the MOOC is available in the link above. 30 h of participant work – 1 ECTS Divided in 4 independent NOOCs (Nano Open Online Courses):</p> <p>NOOC I. What is safety culture? NOOC II. Understanding Nuclear Safety Culture NOOC III. Developing leadership for safety NOOC IV. Refreshing Nuclear Basics</p> <p>Open now the free registration, by clicking on each NOOC above. We are actually in the production process. The course has been delayed and the starting has been postponed to October 1st, 2019. The course will be active during three weeks.</p> <p>If you want to receive information about the MOOC/NOOCs, please fill the form here We highly thank those advertising this initiative within the nuclear sector, but as well towards professionals from other industries (specially high-risk industries), as well as master students of nuclear and other technical studies, to gather a varied audience to enhance global networking and a collaborative learning experience. This course will allow a research study and its dissemination is crucial to achieve massive participation from the main target groups</p>
<p>Regulation and its Application in Nuclear Projects</p> <p>Framatome (Karlstein, close to Frankfurt), Germany</p> <p>September 9th and 10th, 2019</p>	<div data-bbox="493 1597 943 1697">  <div data-bbox="632 1615 943 1697"> <p>FUSENET The European Fusion Education Network</p> </div> </div> <div data-bbox="1034 1615 1362 1675">  </div> <p>Course Outline The course is directed towards engineers that are employed by the ITER Organization, Fusion for Energy, or their sub-contractors in the ITER project (down to the lowest level, i.e. in the supply chain), or in any other supply chain company active in fission new build projects. Preferably they should be active in ITER (or any other fission/fusion new build) related design, procurement, manufacturing, construction, assembly, and commissioning of ITER (or fission/fusion new build) equipment.</p> <p>The course will impart specific knowledge on nuclear licensing and the impact of licensing requirements on the design as well as on subsequent down-stream activities. Furthermore, it will be complemented by additionally training the skills that are necessary in the nuclear environment of a fission or fusion project like ITER.</p> <p>Course Content The training contains the following: 1. Introduction to and overview of national / international nuclear law(s) and related regulation, involved national and international organizations (e.g. ASN, IAEA),</p>

	<p>3) Thermal hydraulics diffusive convective heat transfer: CFD strategies for temperature velocity coupling, finite Volume method for unsteady flows</p> <p>After the introduction to each case, its fundamentals, modelling and case set up, the instructors will provide indications on how to proceed with the computer simulations Attendees will have time to perform the simulations on their own Eventually common conclusions will be shared and best practices and guidelines for successful simulations will be retrieved</p> <p>Link to the full description of course conditions (https://ant.upc.edu/en/activities)</p>
<p>e-LEARNING COURSE REMINDERS</p>	 <p>REMINDERS</p>
<p>Principles of Radiation Protection. International Framework. Regulatory Control (e-learning)</p>	  <p>Lecturers: Mrs. Gabriela Rosca-Fartat Mr. Gabriel Stanescu, PhD "Horia Hulubei" National Institute for Physics and Nuclear Engineering (IFIN – HH) Nuclear Training Centre 30 Reactorului, RO-077125, Bucharest-Magurele, Romania Method of Delivery: Asynchronous e-learning. Final Examination: multiple-choice test In order to apply for this course, please use the application form on the ENEN website: ANNETTE application page</p>
<p>SINGLE AND TWO-PHASE THERMAL-HYDRAULICS - for nuclear applications (e-learning)</p>	  <p>SINGLE AND TWO-PHASE THERMAL-HYDRAULICS The theoretical lectures and exercise material are already posted. Videos fully available. Contact: walter.ambrosini@unipi.it</p>
<p>ELINDER COURSE 'Decommissioning licensing and environmental impact assessment'</p>	<p>INFORMATION ON INDEPENDENT EUROPEAN E&T INITIATIVES</p> <p>In the framework of the European ELINDER project, the SCK•CEN Academy for Nuclear Science and Technology organizes a specialisation training course in decommissioning 'Decommissioning licensing and environmental impact assessment'</p> <p>21- 25 October, 2019 SCK•CEN Lakehouse in Mol, Belgium.</p> <p>Objective Activities related to the decommissioning of nuclear installations significantly differ from those performed during the operational period. The various actors (managers, engineers, technicians, health physicists, regulatory bodies, etc.) are faced with specific issues such as changing environments, numerous “one shot” operations, the production of huge amounts of waste, discrepancies between original design and the final layout of the facility, etc.</p> 

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The regulatory requirements and associated licensing procedure necessitate a good preparation for the dismantling strategy, safety assessment, risk management and environmental impact assessment. With the many questions emerging when a decommissioning project has to be set up, it is of utmost importance that the involvement of the stakeholders addresses the concerns of society.

The main objective of this training course is to provide the participants with the basic requirements regarding the licensing and environmental impact assessment of a decommissioning project and to share experience from ongoing decommissioning projects. Visit the SCK•CEN Academy website for a [detailed programme](#).

Target audience

All stakeholders such as regulators, plant managers and operators, health physicists, technical service organisations should take benefit from this event.

Registration

Online registration is mandatory for all participants via the [SCK•CEN Academy website](#). The registration deadline is **October 2, 2019**. Prices are available on the [website of the ELINDER training course](#)



Web page of ANNETTE Courses

<http://www.enen.eu/en/projects/annette/annette-project-courses1.html>

Web page for course application:

<http://www.enen.eu/en/projects/annette/eoi1.html>



LINK TO COURSE LIST

Web page concerning the grants of the ENEN+ project,

<https://plus.enen.eu/grants/>



LINK TO THE APPLICATION FORM