

*Invitation to the*  
**Summer School on  
Nuclear  
Decommissioning  
and Waste  
Management**

on **9-13 July 2018** in Ispra, Italy

*hosted by the*  
**Joint Research Centre (JRC)**  
*the science and knowledge service of the  
European Commission*



*support to the programme by:*



## **What is nuclear decommissioning?**

When a nuclear facility ceases its normal operation, a multifaceted process of dismantling, decontamination and other actions will start to take it out of use. 'Decommissioning' means all these steps leading to the release of a nuclear facility from regulatory control.

### **A career in nuclear decommissioning and waste management offers:**

- A job in an emerging domain, with perspectives of career development
- Facing many technological challenges
- Building over a long term competences in various disciplines
- Opportunities for mobility
- Serving a 'noble cause', as it aims at restoring a safe environment.

### **The course offers:**

A 5-day overview of the main aspects of nuclear decommissioning and waste management through classroom training, visits of the JRC-Ispra nuclear facilities and practical case studies.

A voluntary test (for students who wish to obtain a course certificate).

A final 'job fair' to meet representatives of some European industrial companies working in decommissioning.



## **Why following a course on nuclear decommissioning?**

In the European Union several nuclear facilities are closed or may stop their operation in the coming decade. The need to proceed with decommissioning creates a potential for new industrial activities. The availability of qualified personnel to support the emerging decommissioning market is an asset for the European industry.

## **Who is the course organised for?**

The present JRC-Ispra Summer School is addressed to students with a graduate degree pursuing a master in the area of engineering, science and technology, who have not yet a professional activity and want to profit from the holidays' time to enrich their curriculum in an area that offers new technological challenges.



# COURSE PROGRAMME

**Monday 9 July**

## INTRODUCTION

*What does a nuclear facility look like? What are decommissioning and waste management? Why is it important? How is it organised in Europe?*

**Tuesday 10 July**

## INTRODUCTION TO RADIATION PROTECTION

*What are the radiation risks? How can we protect ourselves?*

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## NUCLEAR DECOMMISSIONING in detail

*What are the techniques for decontamination & dismantling? How do we restore a clean environment?*

**Wednesday 11 July**

## NUCLEAR DECOMMISSIONING – Practical cases

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## RADIOACTIVE WASTE in detail

*What are the types of radioactive waste? How do we treat it? How do we dispose of the waste?*

**Thursday 12 July**

## RADIOACTIVE WASTE – Practical

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## VISIT OF THE JRC-ISPRANUCLEAR SITE

**Friday 13 July**

## SOCIETAL ASPECTS

*How to answer the concerns of the society?*

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## FINAL VOLUNTARY TEST FOR CERTIFICATE & JOB FAIR

(detailed program available on 30<sup>th</sup> April 2018)

## How to register?

If you are interested, please fill-in the application form attached to the invitation and mail it with copy of your student card to Daniela Santopolo:

[daniela.santopolo@ec.europa.eu](mailto:daniela.santopolo@ec.europa.eu)

Your application will be reviewed and you will receive as a next step a confirmation and detailed logistic information.

The course is limited to 40 participants.

## How much does it cost?

The course is supported by the Joint Research Centre and is thus free of charge for accepted students. This will cover the courses, the accommodation (hotel and breakfast) and internal transports during the week.

Accepted applicants are expected to organise and pay for travel to and from Ispra and other subsistence expenses.



## The Summer School frames in the European ELINDER project

aiming to raise the interest of students and professionals and to stimulate careers in this important and emerging field, by offering a set of attractive theoretical and practical learning opportunities.

The Summer School on Nuclear Decommissioning and Waste Management is one of the Generic ELINDER Courses introducing the topic of nuclear decommissioning



For more information on ELINDER:

[ELINDER website](http://www.elinder.eu)

For questions on ELINDER please contact:

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