

Radiation protection training by the SCK•CEN Academy for Nuclear Science and Technology

Michèle Coeck

SCK•CEN, Boeretang 200, BE-2400 MOL, BELGIUM | mcoeck@sckcen.be | <http://academy.sckcen.be>

Guidance to students and young scientists in the domain of radiation protection

The SCK•CEN Academy provides opportunities for Bachelor and Master students, PhD candidates and any professional interested in enriching his or her radiation protection competences. Teaching and research supervision are provided by members of the SCK•CEN research team. They share their knowledge 'from the frontiers of nuclear science' and oversee practical exercises that can be carried out using our center's nuclear facilities. Final-year pupils and teachers can also discover the world of radiation protection via monthly visits to the radiation protection research laboratories.

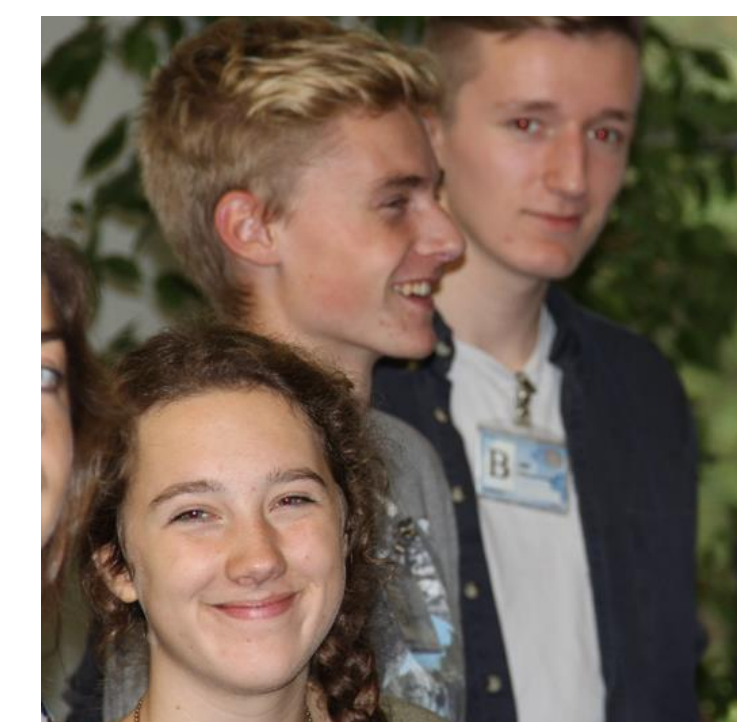
Prepare your thesis for Bachelor Master PhD students



Visit with your class for High schools Universities



Update your knowledge and didactic methods for Teachers



Perform internship or scientific visit for Students Professionals

Organization of courses related to radiation protection

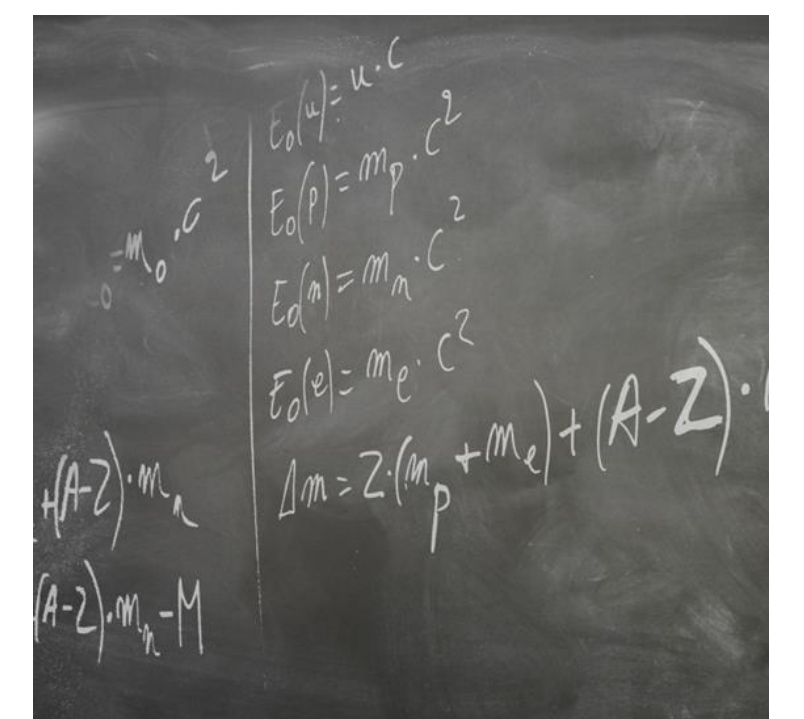
The SCK•CEN Academy contributes to **academic learning** through collaboration with all Belgian universities and several universities abroad. For example, the **Radiation Protection Expert (RPE) course** is a one-year post-graduate course (20 ECTS) developed in line with the legal requirements for RPEs, as set in the Belgian royal Decree of 2001. It is targeted towards those who need to be formally recognized as RPE, as well as to all professionals working in the nuclear, sector, radiology, research or healthcare.

Next to academic learning, the SCK•CEN Academy also provides **customized training courses for professionals**. For example, the course **"Information and training in radiation protection for radiation workers"** is aimed at workers who are possibly exposed to ionizing radiation in their professional environment, according to Article 25 of the Royal Decree of 20 July 2001. In addition, we also provide for **continuous professional development (CPD) sessions in radiation protection in the medical sector**, where we aim at discussing the most recent status of relevant subjects in radiation protection for professionals responsible for the supervision of exposed workers, public and environment.

But also more specialized courses in **dosimetry, ALARA, legislation, spectrometry, emergency preparedness, radiation biology, radiation ecology, safeguards, decommissioning and decontamination, ethical aspects**, etc... are provided.



Basic modules



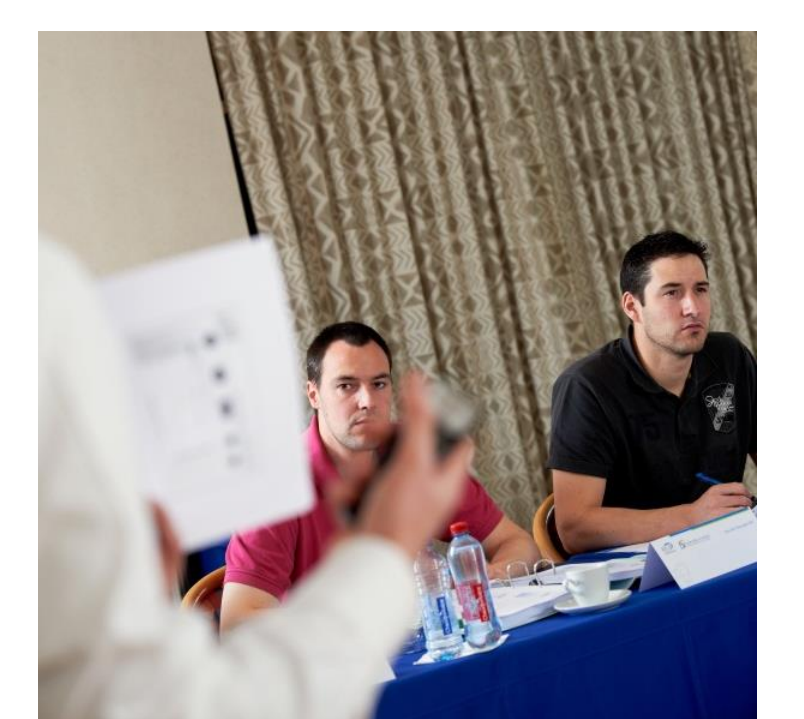
Specialized modules



Technical visits



Practical exercises



Policy support in radiation protection education and training matters

The implementation of a coherent approach to education and training in nuclear science and technology becomes crucial in a world of dynamic markets and increasing workers' mobility. Through networking and **participation in international programs**, the SCK•CEN Academy contributes to a **better harmonization of education, training practice and skills recognition on a national and international level**. In the domain of radiation protection we coordinate the ENETRAP series of projects (6FP and 7FP), we participate to the **IAEA** steering committee for education and training in radiation protection, transport and waste safety and ad-hoc working groups of the **OECD**. We also organize the series of **ETRAP conferences** and are active in the Board of **EUTERP**.

