

SCHOOL ON RADIATION TECHNOLOGIES 2017



A leadership development programme for professionals in the radiation technologies field

Applications are invited for the 4th WNU School on Radiation Technologies
16 to 27 October 2017, São Paulo, Brazil

in collaboration with the Nuclear and Energy Research Institute (IPEN/CNEN)



The Focus

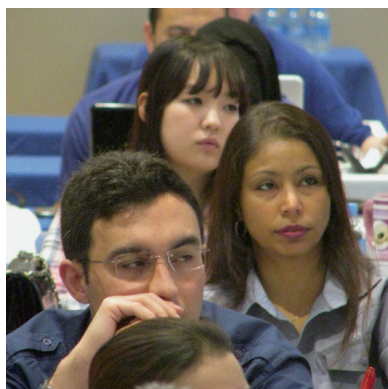
The World Nuclear University RT School aims to:

- Provide a broad overview of the field of radioisotopes production and radiation technologies as well as the trends and main issues encountered by practitioners in this area.
- Develop essential skills for leadership, communication and project management.
- Provide a unique opportunity to develop a worldwide network of radiation specialists.

Apply online at
world-nuclear-university.org

Deadlines
3 February 2017 for IAEA funded applications
16 June 2017 for Company funded applications





Entry requirements

- Master's degree in science, engineering or business; or equivalent operational experience.
- Work experience in radiation technologies.
- Knowledge of nuclear fundamentals and applications of ionizing radiation in medicine, industry and agriculture.
- Demonstrated academic or professional excellence, with two reference letters.
- Maximum age of 37, although exceptions will be considered based on merit.
- Proficiency in English, particularly oral communication.

Selection process

The aim of the selection process is to have a synergistic, internationally diverse mix of radiation technology professionals. The process will place considerable weight on each applicant's demonstrated potential for leadership and work experience.

All applications are to be made via the WNU website only. Selection of participants will be made through a consultation process, led by the WNU Coordinating Centre.

Applications from qualified women are encouraged.

The tuition fee includes course material, mentorship, technical tours, meals, accommodation for the duration of the course and transportation to IPEN. The fee is £3,100, but a discount is offered for local residents. Travel from the home country to the WNU RT School and insurance are not included. While attending the RT School, participants will also enjoy a diverse programme of social and cultural events.



Curriculum

Developed in consultation with an expert Programme Committee, the RT School curriculum covers a wide spectrum of topics relevant to radiation technologies, including:

- Operations and regulatory frameworks, including production of radioisotopes, quality assurance and control, safety and security, transport of radioactive materials, waste management and decommissioning, economics, and communications.
- Current and future applications, including nuclear techniques in healthcare, industrial process management, food and agriculture, environmental protection, and life sciences.

The RT School's intensive two-week programme features:

- Lectures by prominent experts in radioisotopes and radiation technologies and distinguished speakers.
- Small-group work led by mentors, where participants analyse case studies and develop proposals for resolving RT-related issues.
- Technical visits to RT-related sites including medical and industrial facilities.

The host organization

The Nuclear and Energy Research Institute (IPEN) is supported by the National Nuclear Energy Commission (CNEN). IPEN was founded in 1956 and it is located in the University of São Paulo (USP) campus where it occupies an area of nearly 500,000 m². The Institute has a scientific and technical staff of almost 800 employees, among them 40% have MSc or PhD degrees.

IPEN is recognized as a national leader institution in R&D areas of radiopharmacy, nuclear science and technology, nuclear reactors and fuel cycle, environmental science and technology, renewable energies, materials and nanotechnology, biotechnology, laser technology and education.



About the World Nuclear University

Inaugurated in 2003 and encompassing key institutions of nuclear learning in more than 30 nations, the WNU network has four Founding Supporters: the International Atomic Energy Agency, the OECD Nuclear Energy Agency, the World Nuclear Association and the World Association of Nuclear Operators.

The mission of the WNU is to enhance international education and leadership in the peaceful uses of

nuclear energy and the applications of nuclear science and technology, by providing top-level training for future world-class nuclear leaders. WNU activities are designed to harness the strengths of partners in pursuit of shared purposes.

The WNU pursues this mission through programmes organized by the WNU Coordinating Centre in London, with administrative support from the World Nuclear Association.

Comment from RT School 2014 in Doha, Qatar:

“The WNU RT School is a unique engaging course; I gained a broad understanding in the fields of radiation technologies and radioisotopes. I also developed excellent skills in communicating and working in groups with colleagues from diverse cultures and backgrounds.”