



THE FIRST ANNUAL WNU SCHOOL ON RADIOISOTOPES

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Grand Hilton Seoul, Republic of Korea

Hosted by

Korea Atomic Energy Research Institute



With special support from the:

International Atomic Energy Agency

World Council on Isotopes

The WNU is a partnership of four Founding Supporters and a network of the world's leading institutions of nuclear learning (for more on WNU, see overleaf)

The WNU School on Radioisotopes (RI School) is an annual training programme aimed at young professionals involved in managerial roles related to radioisotope (RI) application and production.

Selected applicants will develop a broad understanding of the wide range of RI applications, RI production methods, and the main challenges encountered by practitioners in this field. During the programme, participants will also enjoy the opportunity to develop a worldwide network of contacts of unique value to their current and long-term careers.

The RI School's intensive three-week programme features:

- ◆ Lectures by prominent experts in radioisotope application and production
- ◆ Small-group and team-building work, where participants tackle case studies and develop proposals for resolving RI-related issues
- ◆ Technical visits to RI-related sites including the Korea Atomic Energy Research Institute (KAERI), Korea Institute of Nuclear Safety (KINS), and the Korea Institute of Radiological and Medical Sciences (KIRAMS).

Developed in consultation with an expert Advisory Committee, the RI School curriculum ranges across a wide spectrum of topics relevant to radioisotope applications. The curriculum covers:

- i) **Operations**, including the production chain for open and sealed sources, quality assurance and control, packaging and transport of radioactive materials, radiation metrology and dosimetry, waste management and decommissioning
- ii) **Current and future applications**, including nuclear techniques in human health, industrial process management, food and agriculture, environmental protection, and life sciences
- iii) **Regulatory frameworks and infrastructure**, including the international safety regime for radioisotopes and the international radiological protection system
- iv) **Key contexts**, including the socio-economics of RI programmes, public communications, and the role of research reactors and accelerators.

The RI School is open each year to 80 professionals from companies, governments, research institutes and regulatory authorities expected to play key roles in the field. An application form can be obtained from the WNU website (www.world-nuclear-university.org) and should be emailed to the WNU Coordinating Centre no later than **30 October 2009**.

Each successful applicant who completes the RI School receives a WNU Certificate and such professional credit as may be awarded by that person's own employer.

Applicants must provide evidence of meeting ALL the following requirements:

- (1) A Master's degree or equivalent (exceptions to be considered on the basis of unusual merit)
- (2) Knowledge of the basic principles of nuclear science
- (3) Demonstrated academic and professional excellence
- (4) Proficiency in English, the working language of the RI School.

In the selection of participants, relevant work experience will also weigh heavily as a positive factor.

The cost of participation is a fixed tuition fee of €5,000 plus travel to and from Seoul, Korea. The tuition fee will cover all coursework, technical tours, lodging and meals. While attending the RI School, participants will occupy individual rooms during the academic programme, and enjoy a diverse programme of social events and excursions. Family members may accompany participants for an additional expense.

In general, participants' employers are expected to cover tuition and travel costs. However, some applicants from developing countries should be eligible for assistance from the IAEA and Korean government.

Selection of applicants will be made through a consultation process, led by the WNU Coordinating Centre. The goal is a synergistic, internationally diverse mix of top professionals. The application process will place weight on each applicant's demonstrated leadership potential.

MORE ON THE WNU

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

The mission of the World Nuclear University is to enhance education and leadership in the peaceful applications of nuclear science and technology. A non-profit corporation, the WNU pursues this mission through programmes organized by the WNU Coordinating Centre in London. These cooperative activities are designed to harness the strengths of partnership members in pursuit of shared purposes.

The WNUCC is composed of experienced professionals, including secondees from governments and major nuclear enterprises. Financial support for WNU activities comes from forward-looking companies, governments, and the IAEA technical cooperation programme. Key philanthropies are being asked to provide additional support to strengthen and broaden the scope of WNU activities, particularly in developing countries.