



## WNU SCHOOL ON RADIATION TECHNOLOGIES 13 May - 1 June 2012



Kyeryong Spatel, Daejeon, Republic of Korea

Hosted by:

**Korea Atomic Energy Research Institute, Korea Institute of Nuclear Safety,  
Korea Institute of Radiological & Medical Sciences, Korea Radioisotope Association,  
Korea Hydro & Nuclear Power Co.**

With special support from the:

**International Atomic Energy Agency (IAEA), World Council on Isotopes**

In cooperation with:

**Australian Nuclear Science and Technology Organisation,  
Association of Imaging Producers & Equipment Suppliers**

Applications are invited for the WNU School on Radiation Technologies 2012

The WNU School on Radiation Technologies (RT School) is a leadership development programme aimed at young professionals involved in the radiation field.

Selected applicants will develop a broad overview of the field of radioisotopes and radiation technologies as well as the main issues encountered by practitioners in this area. 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 RT School's intensive three-week programme features:

- ◆ Lectures by prominent experts in radioisotopes and radiation technologies
- ◆ Presentations by distinguished speakers
- ◆ Small-group work led by mentors, where participants analyse case studies and develop proposals for resolving RT-related issues

Mentors: **Alan Waltar** (Former Senior Advisor to the Pacific Northwest National Laboratory, USA), **Natesan Ramamoorthy** (Senior Advisor, Bhabha Atomic Research Centre, India), **Henri Bonet** (Former CEO of the National Institute for Radioelements, Belgium), **Carlo Chemaly** (International expert on trade and management, Belgium), **John Easey** (Former Senior Advisor, Australian Nuclear Science and Technology Organisation, Australia), **Valeriia Starvoitova** (Project leader of the radio-isotope research program at the Idaho Accelerator Center, USA), **Joon-Ha Jin** (Former IAEA Officer at Division of Physical and Chemical Sciences, Korea).

- ◆ Familiarization with lab practices at RT-related sites including KAERI, KINS, KIRAMS and KHNP
- ◆ Technical visit to RT-related sites.

The RT School builds upon the foundations of the successful WNU School on Radioisotopes held in Seoul, Republic of Korea, in 2010.

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).

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

i) **Operations and Regulatory Frameworks**, including sources of radiation, radiological protection, production of radioisotopes and sealed sources, quality assurance and control, packaging and transport of radioactive materials, waste management and decommissioning, economics of RT programmes, and communications

ii) **Current and Future Applications**, including nuclear techniques in human health, industrial process management, food and agriculture, environmental protection, and life sciences.

Further curriculum details and the list of lecturers are available at the WNU Website:

[www.world-nuclear-university.org/rtschool.aspx](http://www.world-nuclear-university.org/rtschool.aspx)

The RT School is open to 60 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 (see above) and should be emailed to the WNU Coordinating Centre ([bsjeong@world-nuclear-university.org](mailto:bsjeong@world-nuclear-university.org)) no later than **29 February 2012**.

Each successful applicant who completes the RT 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 RT 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 RT School, participants will occupy individual rooms during the academic programme, and enjoy a diverse programme of social events and excursions.

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.

#### **Comment from 2010 WNU School on Radioisotopes participant:**

*"The best school I ever attended"*

## **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 international education and leadership in the peaceful applications of nuclear science and technology. Chartered as a non-profit corporation, the WNU pursues this mission through programmes organized by the WNU Coordinating Centre in London, with administrative support from the World Nuclear Association. WNU activities are designed to harness the strengths of partnership members in pursuit of shared purposes.