

# 2012 WNU School on Radiation Technologies Programme

<b>Sat. 12 May</b>	All day	<b>Fellows, Mentors and organizers arrival and registration</b>	
<b>Sun. 13 May</b>	09:30 – 12:00	<b>Mentors Planning Meeting</b>	<b>Mentors &amp; Organizers</b>
	13:30 – 13:50	<b>Welcome from Organizers and Mentors</b>	<b>Organizers &amp; Mentors</b>
	13:50 – 14:20	<b>Overview of RT School: its concept &amp; programme</b>	<b>Organizer</b>
	14:30 – 16:30	<b>Fellows self-introductions</b>	<b>Alan Waltar (Ex-PNNL)</b>
	16:30 – 17:00	<b>Announcements and Group Assignments on Forum Issues</b>	<b>Alan Waltar &amp; Organizer</b>
	17:15 – 19:00	<b>About Korea - Korean Language</b>	<b>Yong Won Jang (SNU)</b>
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<b>Week 1</b>			
<b>Mon. 14 May</b>	08:40 – 09:10	<b>WNU and the RT School</b>	<b>John Ritch (WNU President)</b>
	09:10 – 09:40	<b>Welcome Remarks from Chairman of Nuclear Safety and Security Commission in Korea</b>	<b>Changsun Kang (Chairman, NSSC)</b>
	09:40 – 10:10	<b>Welcome Remarks from KAERI President</b>	<b>Youn Ho Jung (President, KAERI)</b>
	10:10 – 11:00	<b>Distinguished Speakers Presentation 1</b>	<b>Daud Mohamad (IAEA DDG)</b>
	11:00 – 12:00	<b>Distinguished Speakers Presentation 2</b>	<b>Adi Paterson (CEO, ANSTO)</b>
	13:30 – 17:00	<b>Team building</b>	<b>Alan Waltar (Ex-PNNL)</b>
	18:00 – 20:00	<b>Welcome Reception - Opening Ceremony</b>	<b>All</b>
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<b>Tue. 15 May</b>	08:40 – 09:40	<b>Radiological Protection</b>	<b>Abel González (ICRP)</b>
	09:50 – 10:50	<b>Radiological Protection/ International safety regime</b>	<b>Abel González (ICRP)</b>
	11:10 – 12:00	<b>Safety and security</b>	<b>Jack Ramsey (NRC)</b>
	13:30 – 15:00	<b>Group Working – Self Presentations</b>	<b>Working Groups</b>
	15:10 – 16:20	<b>Group Working – Lecture Reviews</b>	<b>Working Groups</b>
	16:30 – 17:30	<b>Plenary Session - Q&amp;A</b>	<b>Speakers &amp; All</b>
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<b>Wed. 16 May</b>	08:40 – 09:40	<b>Production of Isotopes – Part 1</b>	<b>Bernard Ponsard (BNRC)</b>
	09:50 – 10:50	<b>Production of Isotopes – Part 2</b>	<b>Bernard Ponsard (BNRC)</b>
	11:10 – 12:00	<b>Production of radioactive sources</b>	<b>Meera Venkatesh (IAEA)</b>
	13:30 – 15:00	<b>Group Working – Self Presentations Part 2</b>	<b>Working Groups</b>
	15:10 – 16:20	<b>Group Working</b>	<b>Working Groups</b>
	16:30 – 17:30	<b>Plenary Q &amp; A</b>	<b>Speakers &amp; All</b>
	18:00 – 20:00	<b>Mentors Meeting</b>	<b>Mentors &amp; Organizers</b>
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<b>Thu. 17 May</b>	08:40 – 09:40	<b>Quality Assurance &amp; Quality Control</b>	<b>Meera Venkatesh (IAEA)</b>
	09:50 – 10:50	<b>Sources of radiation - Accelerators, cyclotrons</b>	<b>Valeriia Starvoitova (IAC)</b>
	11:10 – 12:00	<b>Communications and Networking</b>	<b>Carlo Chemaly</b>
	13:30 – 15:00	<b>Group Working</b>	<b>Working Groups</b>
	15:10 – 16:20	<b>Group Working – Lecture Reviews</b>	<b>Working Groups</b>
	16:30 – 17:30	<b>Plenary Q &amp; A</b>	<b>Speakers &amp; All</b>

<b>Fri. 18 May</b>	08:40 – 09:40	<b>Socio-economics of RI production and application programmes</b>	<b>Carlo Chemaly</b>
	09:50 – 10:50	<b>Economics of Molybdenum-99</b>	<b>Chad Westmacott (OECD/NEA)</b>
	11:10 – 12:00	<b>Nuclear Techniques for sustainable use of natural resources</b>	<b>Alan Waltar (Ex-PNNL)</b>
	13:30 – 15:00	<b>Group Working</b>	<b>Working Groups</b>
	15:10 – 16:20	<b>Group Working – Lecture Reviews</b>	<b>Working Groups</b>
	16:30 – 17:30	<b>Plenary Q &amp; A</b>	<b>Speakers &amp; All</b>
<b>Sat. 19 May</b>		<b>Free</b>	
<b>Sun. 20 May</b>		<b>Free</b>	
<b><u>Week 2</u></b>			
<b>Mon. 21 May</b>		<b>Lab practice familiarization at one of Korean leading RT institutions (KAERI, ARTI, KINS, Seoul Univ. and Hanyang Univ.)</b>	
<b>Tue. 22 May</b>		<b>Lab practice familiarization at one of Korean leading RT institutions (KAERI, ARTI, KINS, Seoul Univ. and Hanyang Univ.)</b>	
<b>Wed. 23 May</b>		<b>Technical Tour - RT and nuclear-related sites including ARTI and KAERI</b>	
<b>Thu. 24 May</b>		<b>Technical Tour</b>	<b>Advanced Radiation Technology Institute (ARTI)</b>
		<b>Nuclear Techniques in Food</b>	<b>Jong-il Choi (ARTI)</b>
		<b>Nuclear Techniques in Agriculture</b>	<b>Bo-Keun Ha (ARTI)</b>
		<b>Radioisotope-aided R&amp;D in Biological and Life Sciences</b>	<b>Sang Hyun Park (ARTI)</b>
<b>Fri. 25 May</b>		<b>Technical Tour - RT and nuclear-related sites including ARTI and KAERI</b>	
<b>Sat. 26 May</b>		<b>Free</b>	
<b>Sun. 27 May</b>		<b>Free</b>	
<b><u>Week 3</u></b>			
<b>Mon. 28 May</b>	08:40 – 09:40	<b>Human health 1</b>	<b>Division of Human Health, IAEA</b>
	09:50 – 10:50	<b>Human health 2</b>	<b>Division of Human Health, IAEA</b>
	11:10 – 12:00	<b>Nuclear medicine</b>	<b>Dong Su Lee (President of KSNM, SNU)</b>
	13:30 – 15:00	<b>Radiopharmaceuticals</b>	<b>Hee-Seung Bom (Chonnam Uni.)</b>
	15:10 – 16:20	<b>Group Working</b>	<b>Working Groups</b>
	16:30 – 17:30	<b>Group Working</b>	<b>Working Groups</b>
	18:00 – 20:00	<b>Mentors Meeting</b>	<b>Mentors &amp; Organizers</b>
<b>Tue. 29 May</b>	08:40 – 09:40	<b>Industrial Process Management Support</b>	<b>John Easey (Ex-ANSTO)</b>
	09:50 – 10:50	<b>Industrial Process Management Support</b>	<b>John Easey (Ex-ANSTO)</b>
	11:10 – 12:00	<b>Industrial Process Management Support</b>	<b>Wilson Calvo (IPEN-CNEN/SP)</b>

13:30 – 15:00	<b>Group Working</b>	<b>Working Groups</b>
15:10 – 16:20	<b>Group Working</b>	<b>Working Groups</b>
16:30 – 17:30	<b>Plenary Q &amp; A</b>	<b>Speakers &amp; All</b>

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<b>Wed. 30 May</b>	08:40 – 09:40	<b>Setting up RI Production and Application Programmes - Part 1</b>	<b>Natesan Ramamoorthy (BARC)</b>
	09:40 – 10:20	<b>Setting up RI Production and Application Programmes - Part 2</b>	<b>Ilham Al-Quaradawi (Qatar Univ.)</b>
	10:30 – 11:10	<b>Radiation Metrology and Dosimetry</b>	<b>Jaiki Lee (Hanyang Uni.)</b>
	11:10 – 12:00	<b>Decontamination, waste management and decommissioning</b>	<b>Russian lecturer</b>
	13:30 – 15:00	<b>Plenary Q &amp; A</b>	<b>Speakers &amp; All</b>
	15:10 – 16:20	<b>Group Working – Forum Issues Preparation</b>	<b>Working Groups</b>
	16:30 – 17:30	<b>Distinguished Speakers Presentation 3</b>	<b>Marc Gheeraert (President, AIPES)</b>

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<b>Thu. 31 May</b>	08:40 – 09:40	<b>Lessons learned from Fukushima accident</b>	<b>Henri Bonet (Ex-IRE)</b>
	09:50 – 10:40	<b>Packaging and Transport of Radioactive Material</b>	<b>Serge Gorlin (WNA)</b>
	10:50 – 11:50	<b>Nuclear Techniques in environmental protection</b>	<b>Wilson Calvo (IPEN-CNEN/SP)</b>
	13:30 – 15:00	<b>Plenary Q &amp; A</b>	<b>Speakers &amp; All</b>
	15:10 – 16:20	<b>Group Working – Forum Issues Preparation</b>	<b>Working Groups</b>
	16:30 – 17:30	<b>Group Working – Forum Issues Preparation (cont.)</b>	<b>Working Groups</b>

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<b>Fri. 1 June</b>	08:40 – 12:00	<b>Forum Issues Presentation</b>	<b>All</b>
	13:30 – 15:00	<b>Assessment of RT School</b>	<b>All</b>
	16:30 – 21:00	<b>Farewell Dinner and Certificate Ceremony</b>	<b>All</b>

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<b>Sat. 2 June</b>	Morning	<b>Check out</b>	<b>All</b>
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## List of Faculty

<b>Al-Quaradawi, Ilham</b>	Professor, Physics Department, Qatar University (Qatar)
<b>Bom, Hee-Seung</b>	Former President of the Korean Society of Nuclear Medicine (S. Korea), Professor at Chonnam University
<b>Bonet, Henri</b>	Former CEO of the National Institute for Radioelements (Belgium)
<b>Calvo, Wilson</b>	Head of Radiation Technology Center, Nuclear and Energy Research Institute, National Nuclear Energy Commission (Brazil)
<b>Chemaly, Carlo</b>	International expert on trade and management (Belgium)
<b>Easey, John</b>	Former Senior Advisor to Australian Nuclear Science and Technology Organisation (Australia)
<b>Gheeraert, Marc</b>	President, Association of Imaging Producers & Equipment Suppliers (AIPES), Nuclear Medicine and Radiation Oncology Senior BL Senior Director Nuclear Medicine & Oncology International, Philips Healthcare. Director
<b>Gonzalez, Abel J.</b>	Vice-Chair of the International Commission on Radiological Protection (ICRP), Member of UNSCEAR, Senior Advisor to the Nuclear Regulatory Authority in Argentina (Argentina)
<b>Gorlin, Serge</b>	Director for Trade and Transport, World Nuclear Association (United Kingdom)
<b>Lee, Dong-Su</b>	President of the Korean Society of Nuclear Medicine (S. Korea), Professor at Seoul National University
<b>Lee, Jaiki</b>	Professor, Dept. of Nuclear System Engineering, Hanyang University (S. Korea)
<b>Lee, Myung-Chul</b>	Professor, Department of Nuclear Medicine, Seoul National University (S. Korea)
<b>Mohamad, Daud</b>	Deputy Director General, Head of the Department of Nuclear Sciences and Applications, IAEA
<b>Paterson, Adi</b>	CEO of Australian Nuclear Science and Technology Organisation (ANSTO)

<b>Ponsard, Bernard</b>	Reactor Physicist, Radioisotopes Project Manager, BR2 Reactor, SCK.CEN (Belgium)
<b>Ramamoorthy, Natesan</b>	Senior Advisor, Bhabha Atomic Research Centre, (India)
<b>Starvoitova, Valeriia</b>	Research Assistant Professor at Idaho State University and project leader of the radio-isotope research program at the Idaho Accelerator Center (USA)
<b>Venkatesh, Meera</b>	Director of the Division of Physical and Chemical Sciences (IAEA)
<b>Waltar, Alan</b>	Former Senior Advisor to the Pacific Northwest National Laboratory (PNNL)
<b>Westmacott, Chad</b>	Nuclear Development Division, OECD Nuclear Energy Agency (NEA)