

WNU Experience in Training the Nuclear Industry's Best





The WNU as a global network

Vision:

 a) to develop competencies of the future world class nuclear leaders
b) a leading global nuclear educational organization developing talents for the advancement of the nuclear science and technology

Mission: 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 provides excellent education with:

- Lifelong learning and networking opportunities
- Continuous improvement of performances and outcomes
- International collaboration for expanding learning networks
- Diversity in learning environments, cultures and people
- Equal opportunities and fair treatment in all programmes
- Clear and fast communications
- Creativity and innovation in engaging fellows, faculty, and collaborators
- Passion to manage the programmes with utmost efficiency
- Integrity, teamwork, professionalism, respect and leadership



Participating Institutions

Initial participants (Declaration of Commitment 2003)

2 intergovernmental organizations

2 international associations

27 institutions in 23 countries

Current participants (2019)

2 intergovernmental organizations + 7 international or regional associations +33 Institutions in + 5 countries

Recently added













World Nuclear University Advisory Panel

Created in 2014

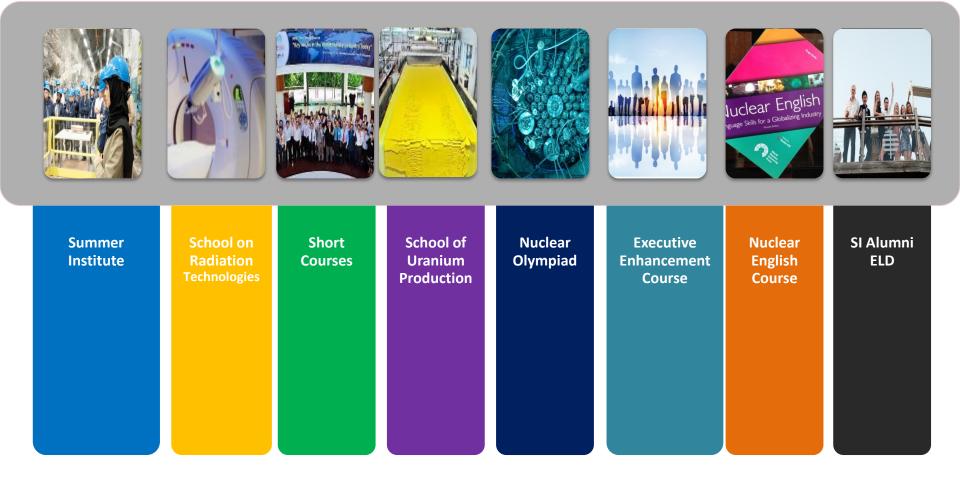
Purpose: To provide broad advice for the WNU on its continuous role on international education in the peaceful applications of nuclear science and technology

Composition as of 2018:

- World Nuclear Association Director General Agneta Rising
- OECD/Nuclear Energy Agency Director General William Magwood
- IAEA Deputy Director General MT Mary Alice Hayward
- WANO CEO Peter Prozesky
- WNU Head Patricia Wieland



WNU Programmes





Äspö Hard Rock Laboratory, Summer Institute 2015



Uppsala University, Sweden, Summer Institute 2015



Oxford Christ Church College, UK, Summer Institute 2014



Ottawa, Canada, Summer Institute 2016

Back to programmes



WNU Summer Institute

2019 Marks the WNU-SI's 15th Anniversary

- 2005: Idaho Falls, US
- 2006: Stockholm, Sweden
- 2007: Daejeon, Korea
- 2008: Ottawa, Canada
- 2009 2014: Oxford, UK
- 2015: Uppsala, Sweden
- 2016: Ottawa, Canada
- 2017: Uppsala, Sweden
- 2018: Busan and Gyeongju, Korea
- 2019: Romania and Switzerland
- 2020: Japan





Purpose of WNU Summer Institute

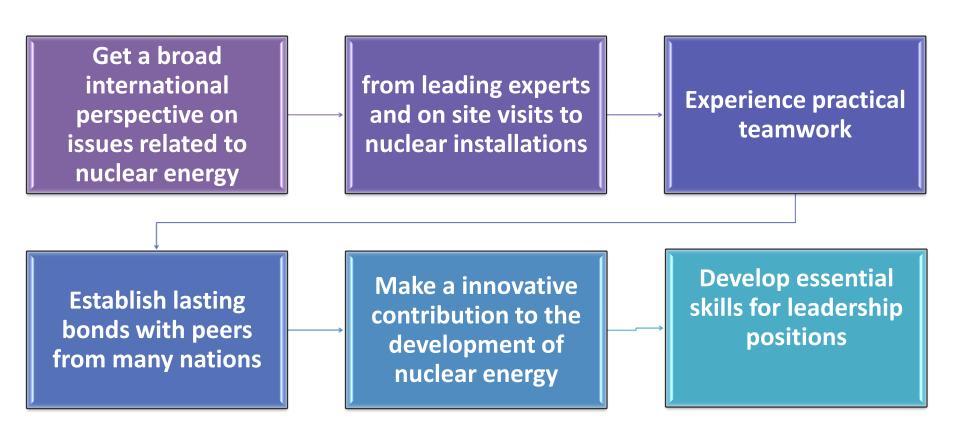
To provide an unique educational experience aimed at building future global leadership in the fields of nuclear science and technology



Nomination award on Human Capital Development in Atomexpo 2018



The Summer Institute is designed to enable Fellows to:





Network for Nuclear Innovations (NNI)

- enable fellows to participate in detailed discussion of important global nuclear issues and bring new light to it
- create a piece of work of high quality that can take numerous forms (an article to be sent to publication, a paper to be presented in an International Conference, a video to be posted, well founded recommendations for nuclear research, or an idea for a start-up company)
- Network for Nuclear Innovation Magazine



Alumni testimonies

"The WNU Summer Institute Programme turned out to be one of the most challenging experiences in my life.

I had to leave my "formal style" for a while in order to understand that the most relevant knowledge is acquired through dialogue with mentors and colleagues. True knowledge is obtained from the conjugation of real experiences and different cultural points of view, and that is what, without a doubt, WNU SI promotes among its participants."

Mariano Lopez Ferrucci - WNU SI 2014

"WNU SI is about meeting and making connections; about understanding where you are now and, which is even more important, about how far you can get. To me, it's all about raising your personal bar while being inspired."

Yuliya Balashevska - WNU SI 2014

"My experience at the WNU Summer Institute (2012) was extremely valuable to me both personally and professionally. At a time of development and transition in my career, I benefited tremendously from the technical knowledge, leadership skills, and inspiration I gained at the Institute. This is still one of the highlights of my career."

Dale Clark, Vice-President, Fuel Services Division, Cameco Corporation & WNU SI 2012



Mentors testimonies

""Success and innovation is achieved when both men and women are equally involved in education and decision-making processes. The WNU Summer Institute is committed to building the next generation's nuclear leadership by embracing the values of full participation by men and women alike. I applaud them for this." Janice Dunn Lee, former IAEA DDG-MT

"With over 40 years experience in the nuclear industry, I have seen many organizational and individual development programs but what WNU has done for the nuclear industry is far beyond the expectation and I want to personally thank you."

Amir Shahkarami, Former Senior VP, Exelon Generation, President & CEO CASe Global Partners, Inc.



This year – Romania & Switzerland

82 Fellows 52 Faculty members 8 Mentors

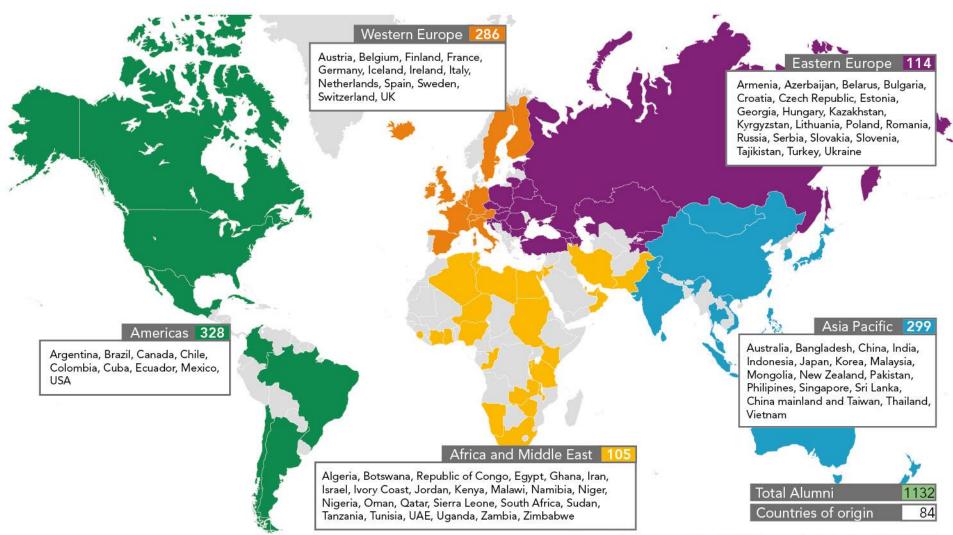
And..

Invited leaders:

- Agneta Rising (WNA Director General)
- Cosmin Ghita (Nuclearelectrica CEO, Romania)
- Christophe Xerri (Director, Division of Nuclear Fuel Cycle, Waste Technology and Research Reactor, IAEA)
- Tim Gitzel (President and CEO, Cameco Corporation)
- Peter Prozesky (CEO, WANO)
- Kirill Komarov (First Deputy Director General for Corporate Development and International Business of ROSATOM & WNA Chairman)
- Mark Lesinski (President & CEO, Canadian Nuclear Laboratories)
- Liudmila Zalimskaya (Special Representative for International projects State Corporation Rosatom)
- Naomi Hirose (Executive Vice Chairman (Fukushima Affairs), TEPCO Holdings Inc.)
- Hans Wanner (Director General Swiss Federal Nuclear Safety Inspectorate ENSI)
- Gu Jun (President of China National Nuclear Corporation (CNNC))
- Richard Sexton (President &CEO, AECL)
- Mary Alice Hayward (Deputy Director General, IAEA)
- William Magwood (Director General, NEA OECD)
- Masahito Yoshimura (Senior Vice President, Hitachi-GE)
- Benoît Revaz (Director, Swiss Federal Office of Energy)



The WNU Summer Institute Network



Geographical representation of WNU Summer Institute Alumni, 2005-2018



Extended Leadership Development Workshop – Bariloche, Argentina, 2018







WNU Radiation Technologies School

- South Korea (2010, 2012)
- Doha, Qatar (2014)
- São Paulo, Brazil (2017)
- Obninsk, Russia (2019)





Radiation Technologies School Concept

The RT School is designed to provide participants with:

- A broad understanding of the main topics relevant to Radiation Technology
- Awareness of the main challenges within a given field
- An international network of value to current and future careers
- Inspiration to commit oneself to advancing the global contribution of peaceful nuclear technology



Short Course "The World Nuclear Industry Today"

Concept

Aimed at nuclear specialists in industry, universities, research centres, government and regulators

Objectives:

- to increase participants knowledge about how nuclear science and technology are applied in the world today
- to recognize how their own special skills and experience fit into this global picture
- to inspire them to develop an expansive vision of where this industry can go in the future
- to network with fellow nuclear professionals in their countries



WNU Short course - The world nuclear industry today



Brazil

Argentina



Kazakhstan Romania Mongolia Turkey Jordan UAE China S

China South Korea

Singapore Malaysia Indonesia





Nuclear Olympiad

An international competition for students interested in nuclear technology and policy

Konepa, Seoul, 2011: A plan for gaining public acceptance of nuclear energy in my country IAEA, Vienna, 2015: Nuclear techniques for global development

WNA, London, 2016: Communications messages on the need to expand nuclear electricity capacity

WNA, IAEA, 2019: Listening to the public







- International Training Centre for uranium exploration, mine development, production, waste management and decommissioning
- Established in 2006 and is operated on behalf of WNU by DIAMO, the Czech uranium company
- Set up on the premise that a worldwide expansion of nuclear energy is now very likely, which will require a higher level of primary uranium production
- Now focusing on exploration and remediation
- Mostly participants from China and few others supported by IAEA
- The International Training Centre develops and presents schemes focused on professional training throughout the range of aspects of uranium production
- Each of the courses consists of a theoretical, lecture-based part and accompanying programmes that take the form of technical field trips to the DIAMO, state enterprise sites and premises, whose structure conveniently covers all aspects of the mining process



WNU SUP





Guest hotel at Straz pod Ralskem



Training facilities at Straz pod Ralskem

Training Course19-30 August 2019

Remediation and Treatment of Ground and Mine Water Affected by Uranium Mining



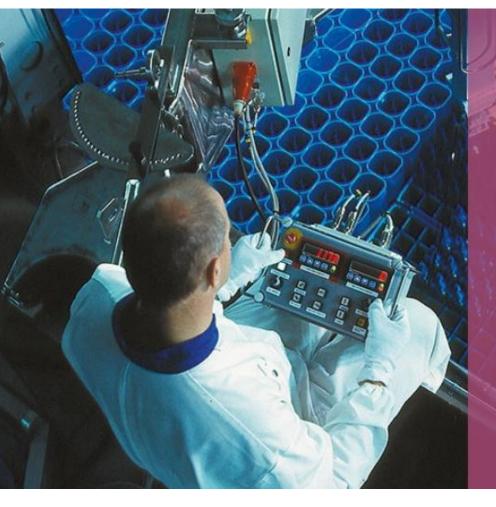
Effective Communications with Nuclear English Course

- Learn English in a nuclearspecific context
- Based on the book: "Nuclear English: Language Skills for a Globalizing Industry" by Serge Gorlin



Brazil, May 2014

WORLD WORLD NUCLEAR University Press



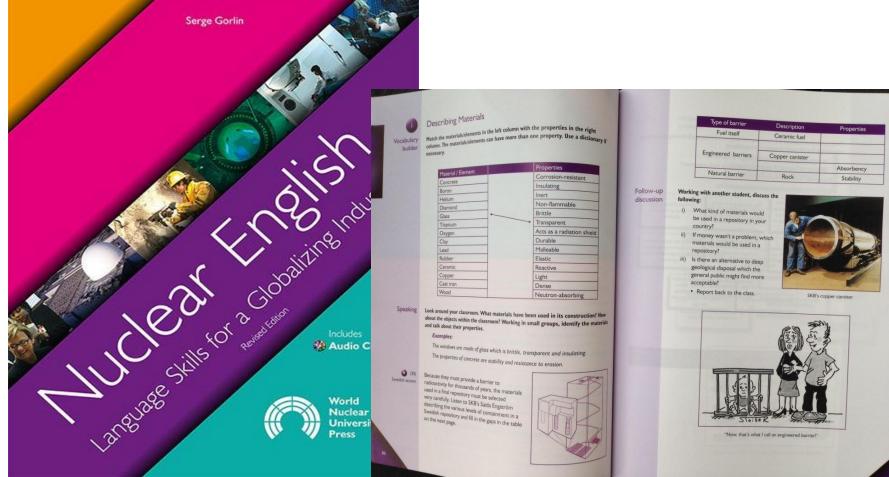
"If anybody is interested in energy, this book would give them a great understanding of the role nuclear energy might play."

Sir Roderick Carnegie Chairman Pacific Edge Group Former Chairman Conzinc Riotino Australia

WNU books are available for purchase at: online-shop.world-nuclear.org



Communicating effectively with Nuclear English



WNU books are available for purchase at: online-shop.world-nuclear.org





Coming up in 2019 new book:

Advanced Radiation Technology



WNU Executive Enhancement Programme

New programme to enhance:

-broad understanding of the nuclear area, -leadership skills,

-drive to influence the nuclear energy fast development.

Target audience:

Board members, executive managers, high potential professionals in managerial positions with international outreach; policy makers in nuclear area, regulators.





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