



**The World Nuclear Industry Today**  
17-19 November 2020, Brazil, Online

## **International Nuclear Education**



# The WNU 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



# A growing international network

## Initial participants (Declaration of Commitment 2003)

2 intergovernmental organizations  
2 international associations  
27 institutions in 23 countries

## Current participants (2019)

2 intergovernmental organizations  
9 international/ regional associations  
62 institutions in 30 countries



*Additions in 2019*

# Values that support excellency

- **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
- **Commitment to sustainability** by reducing the amount of waste generated during WNU programmes

# Lifelong learning and networking opportunities

- ▶ Events and programmes for all career stages
- ▶ Publications
- ▶ Public resources
  
- ▶ Alumni events and networking opportunities
- ▶ Alumni innovation platforms
- ▶ Alumni network engagement

## Identifying and filling gaps in nuclear education



# WNU Programmes



**Nuclear  
Olympiad**

**School of  
Uranium  
Production**

**Summer  
Institute**

**Radiation  
Technologies**

**Executive  
Enhancement**

**The World  
Nuclear  
Industry  
Today**

**Communicating  
Effectively**

**Leadership  
Development**

- Networks for Innovation
- Programmes for all career stages
- About 8000 Alumni from 90 countries since 2003

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



Äspö Hard Rock Laboratory, Summer Institute 2015



Oxford Christ Church College, UK, Summer Institute 2014



Switzerland, Summer Institute 2019



Ottawa, Canada, Summer Institute 2016

[Back to programmes](#)

Summer Institute 2019/2020 Programme



# 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*

**1214** Alumni from  
**85** Countries



Nomination award:  
Human Capital Development  
in Atomexpo 2018



# WNU Summer Institute

- 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: Postponed
- **2021: Japan**



# Networks for Nuclear Innovation on IAEA CONNECT

WNU Alumni, Faculty, and Mentors from all years

## Purpose:

- Platform to innovate, collaborate, and share information
- Facility to network and find collaboration partners
- Easy way to keep up to date with WNU and events

# World Nuclear University Press

## Nuclear Energy in the 21<sup>st</sup> Century



"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

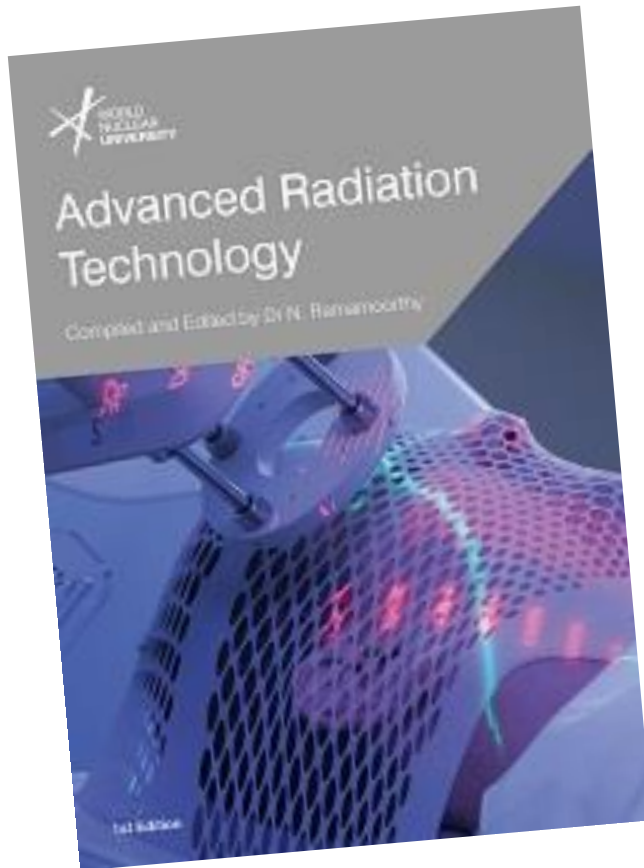
WNU books are available for purchase at: [online-shop.world-nuclear.org](https://online-shop.world-nuclear.org)

## **The RT School provides 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



# Advanced Radiation Technology



## Broad picture of:

- Radioisotope production
- Economics
- Radiation sources and accelerators
- Radiation dosimetry

## Applications in:

- Medicine
- Industry
- Cultural heritage

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# Short Course

## "The World Nuclear Industry Today"

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

# The World Nuclear Industry Today - Venues



# WNU School of Uranium Production

- 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





## School of uranium production

### Stráž pod Ralskem

The World Nuclear University - School of Uranium Production (WNU SUP) international training centre was founded in 2006 and is operated by the DIAMO, state enterprise under the auspices of the World Nuclear University in London and in collaboration with OECD/NEA and IAEA. Making use of knowledge and equipment of the DIAMO State Enterprise and the connections it has with universities, research institutions, supervisory authorities and other experts from the Czech Republic and abroad, the International Training Centre develops and presents schemes focused on professional training throughout the range of aspects of uranium production, be it deposit surveys and extraction using various means, treatment of uranium ores, environmental protection and protection of the health of workers, and even removal of the consequences of mining operations.

[More about us](#)



**Partners**



**Contacts**



**Courses**



**Photogallery**

<https://wnusup.cz/en>

# WNU School of Uranium Production



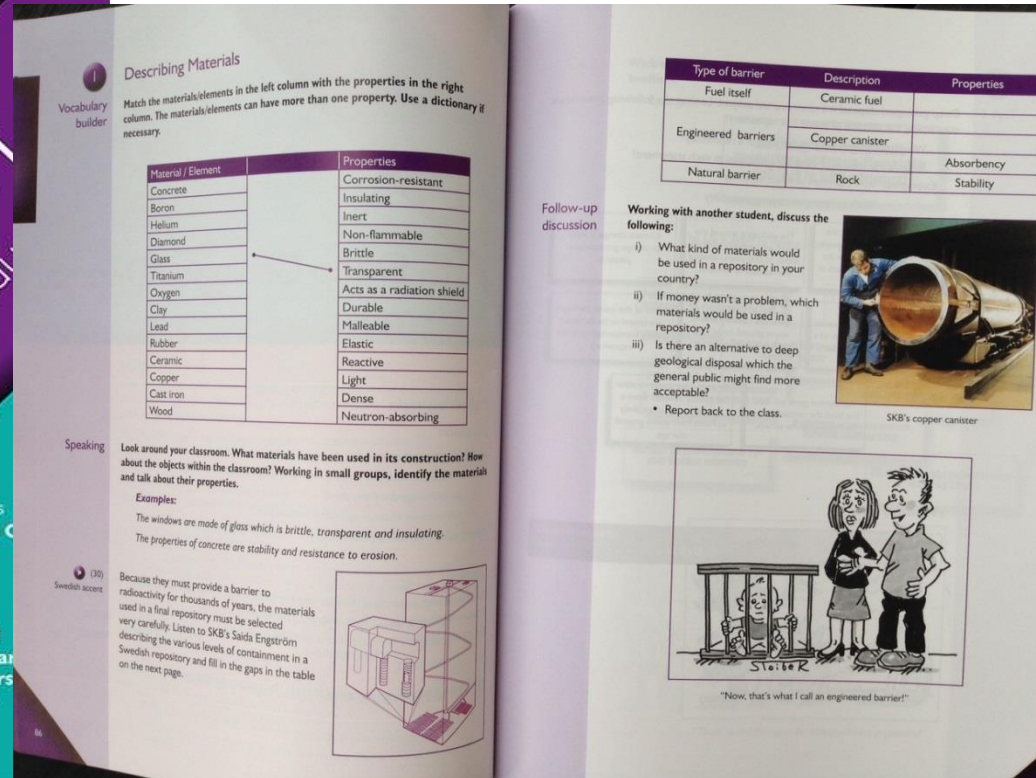
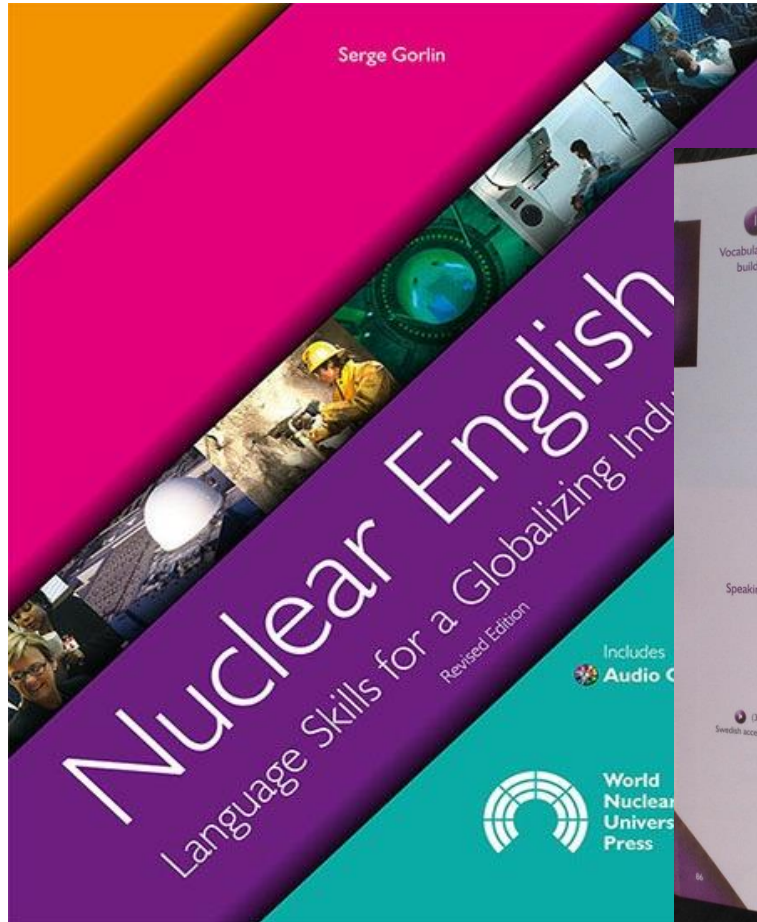
# Communicating Effectively with Nuclear English Course

- In-company and at Summer Institute
- Learn English in a nuclear-specific context with interactive exercises
- Based on the book: “Nuclear English: Language Skills for a Globalizing Industry” by Serge Gorlin





# Communicating effectively with Nuclear English



WNU books are available for purchase at: [online-shop.world-nuclear.org](https://online-shop.world-nuclear.org)



# 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.

# 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**





# Thank you!

Keep up to date at  
[world-nuclear-university.org](http://world-nuclear-university.org)

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