

LAS-ANS Symposium 2012

World Nuclear University: Nuclear Leadership Development Opportunities

Eduardo Figueira da Silva

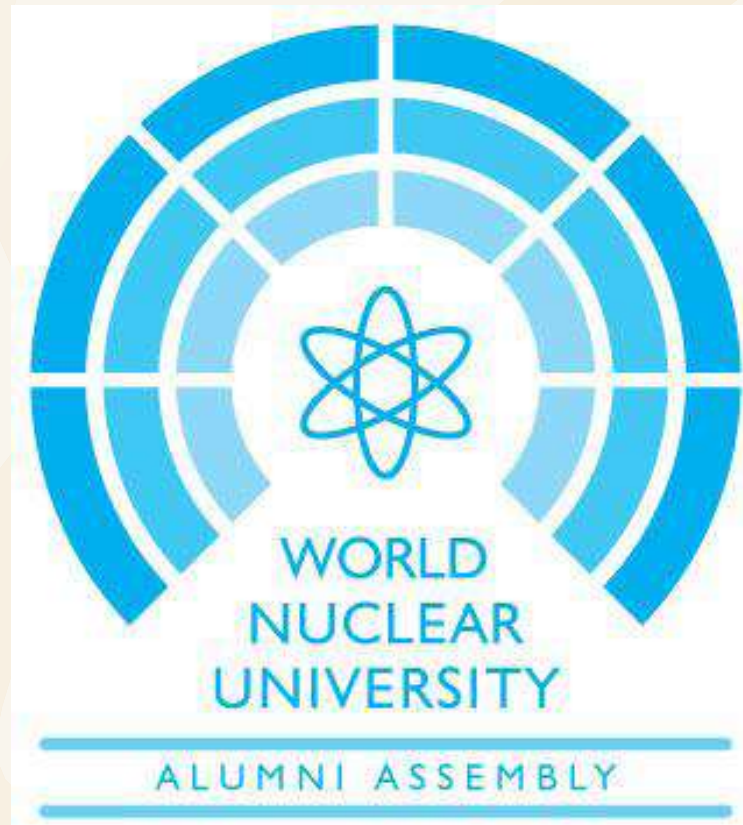
Comissão Nacional de Energia Nuclear

Brazil

Summary

- What is the World Nuclear University
- The WNU Programs
- The WNU Summer Institute
- The WNU-SI Fellowship
- Suggestions

What is the WNU?



The World Nuclear University - WNU

- Global partnership for the education and leadership development in the peaceful applications of nuclear science and technology
- Composed of leading institutions of the nuclear field from ~30 countries
- Founders and main sponsors of the WNU: WNA, WANO, NEA-OECD and IAEA

WNU offers several development programs:

- The WNU Summer Institute (WNU-SI)
- The WNU Alumni Assembly
- One week courses (“Key Issues in the World Nuclear Industry Today”)
- One day courses
- Nuclear Olympiad (for students – public acceptance)
- WNU School on Radiation Technologies (3 weeks)
- School of Uranium Production
- International Forum on Harmonization of Reactor Design Requirements

The World Nuclear University Summer Institute

The WNU Summer Institute – WNU-SI

- Nuclear Leadership development program
- Six-week program
 - July/August – annually (since 2005)
 - Summer in the northern hemisphere
- Presently held in Oxford, UK (Christ Church College)
- 100 participants from ~35 countries
 - Young professionals in the nuclear field
 - Demonstrated leadership potential in their institutions
 - Diversity of backgrounds: technical and non-technical







The WNU-SI Program - Topics

Covers a wide range of subjects in the field:

- Nuclear-related technology innovation
- Nuclear operations
- International nuclear safety standards
- Global environment and sustainable development
- Nuclear diplomacy
- Public communication and engagement

The WNU-SI Program - Methods

- Lectures, tutorials
- Team projects led by world's foremost authorities
- Leadership development exercises
- Field trips to nuclear facilities
- Also includes cultural and social events
- Fosters the development of a global network of professionals in the nuclear field





Technical Tour

Group name	Sunday 18/07	Monday 19/07	Tuesday 20/07	Wednesday 21/07	Thursday 22/07	Friday 23/07
A	<p>Leave Oxford In early afternoon</p> <p>Night in Preston</p> <p><i>Holiday Inn Preston</i></p>	<p>Morning + Lunch</p> <p>Visit Springfields 10:00 am to 2:30pm</p> <p>Night In Lancaster</p> <p><i>Holiday Inn Lancaster</i></p>	<p>Morning + Lunch</p> <p>Visit Heysham NPP 10:00 am to 1:30pm</p> <p>Afternoon visit Typical Scottish place</p> <p>Night in Edinburgh (Hotel TBC)</p>	<p>Edinburgh Free time</p> <p>Leaves @ 4pm</p> <p>Night in St Bees</p> <p><i>Seacote Hotel</i></p>	<p>Morning + Afternoon</p> <p>Visit Sellafield 9:20 am to 3:15pm</p> <p>Night in Chester</p> <p><i>Holiday Inn Chester South</i></p>	<p>Morning + Lunch</p> <p>Visit URENCO Meeting 8:30 am at hotel, leaves site at 1:30pm</p> <p>Evening: Travel back Diner en route</p> <p>Back to Oxford at night</p>
B	<p>Leave Oxford In early afternoon</p> <p>Night in Chester</p> <p><i>Holiday Inn Chester South</i></p>	<p>Morning + Lunch</p> <p>Visit URENCO Meeting 8:30 am at hotel, leaves site at 1:30pm</p> <p>Night in Preston</p> <p><i>Holiday Inn Preston</i></p>	<p>Morning + Lunch</p> <p>Visit Springfields 10:00 am to 2:30pm</p> <p>Night in St Bees</p> <p><i>Seacote Hotel</i></p>	<p>Morning + Afternoon</p> <p>Visit Sellafield 9:20 am to 3:15pm</p> <p><i>Express by Holiday Inn Greenoch</i></p>	<p>Morning + Lunch</p> <p>Visit Hunterston NPP 10:00 am to 1:30pm Afternoon Typical Scottish place</p> <p>Night in Edinburgh (Hotel TBC)</p>	<p>Edinburgh Free time</p> <p>Leaves @ 4pm Diner en route</p> <p>Back to Oxford late night</p>
C	<p>Leave Oxford In early afternoon</p> <p>Night in St Bees</p> <p><i>Seacote Hotel</i></p>	<p>Morning + Afternoon</p> <p>Visit Sellafield 9:20 am to 3:15pm</p> <p>Night in Chester</p> <p><i>Holiday Inn Chester South</i></p>	<p>Morning + Lunch</p> <p>Visit URENCO Meeting 8:30 am at hotel, leaves site at 1:30pm</p> <p>Night in Preston</p> <p><i>Ibis Preston North</i></p>	<p>Morning + Lunch</p> <p>Visit Springfields 10:00 am to 2:30pm</p> <p><i>Hotel Duke of Gordon</i></p>	<p>Morning + Lunch</p> <p>Visit Torness NPP 10:00 am to 1:30pm Afternoon visit Typical Scottish place</p> <p>Night in Edinburgh (Hotel TBC)</p>	<p>Edinburgh Free time</p> <p>Leaves @ 4pm Diner en route</p> <p>Back to Oxford late night</p>



The World Nuclear University Alumni Assembly 2012

The WNU Alumni Assembly 2012

- Meeting for all fellows from 2005 to 2011
- Presentations at the IAEA, Vienna
 - WNU-SI Alumni
 - International Experts
 - Topics: new build / renaissance; Fukushima / stress tests; communication; education / technical cooperation; alumni professional perspectives; innovative nuclear technologies
- Visit to the IAEA Seibersdorf Laboratory
- WNU-SI assessment and future perspectives
- Social events: fellows could rekindle and expand their acquaintances among WNU alumni

Suggestions

Suggestions

- Enhance the participation of fellows from Latin America in the WNU-SI
 - Opportunity for training and exchange, exposing the young professional to an international high-level and challenging environment, while allowing the development of professional collaborative networks
- Enhance the participation of Latin American speakers or mentors in the WNU-SI
 - Opportunity for more experienced professionals to train the new generation, while promoting partnerships
- Organize the next WNU Alumni Assembly in Brazil

The Brazilian WNU Fellowship

The participation of Brazilians in World Nuclear University events has brought acknowledgement to our work, while reinforcing the commitment of our country to develop and employ nuclear technology in a safe and responsible manner.

Obrigado/Perguntas

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