



## THE FIFTH ANNUAL WNU SUMMER INSTITUTE

5 July - 15 August 2009

University of Oxford



A unique career-building training programme  
for future world leaders in nuclear science and technology

Organized by the WNU Coordinating Centre  
in cooperation with WNA, IAEA, NEA and WANO  
and hosted at Oxford University

Applications are now invited for this exciting opportunity  
in the realm of nuclear education:  
the WNU Fellowship.

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).

The annual WNU Summer Institute is one manifestation of this global partnership. The Summer Institute is open to about 100 WNU Fellows from some 35 countries, selected from among promising young nuclear professionals who demonstrate strong leadership potential.

At the Summer Institute, WNU fellows are educated in a broad spectrum of nuclear energy issues, engage in team-building and leadership exercises, and become part of an expanding global network of future leaders in the nuclear profession.

The inaugural WNU Summer Institute was held in USA in 2005. The 2006 Summer Institute took place in Sweden and France. Korea hosted the third WNU-SI in 2007 and Canada the fourth in 2008.

It is now planned that beginning in 2009 the WNU Summer Institute will be held annually at the world-famous college called Christ Church in Oxford University.

While living in Oxford University, WNU Fellows participate in a unique six-week training experience featuring instruction from some of the world's foremost leaders in science, engineering and the global environment, and technical tours to nuclear facilities in the UK and France.

The WNU Summer Institute curriculum is designed to provide cutting-edge presentations on the full range of topics relevant to the future of nuclear technology:

- ◆ **Global Setting**, including energy supply and demand, global warming and climate change, nuclear technology in sustainable development, lessons in public acceptance, and key political issues and trends;
- ◆ **International Regimes**, including safety, radiological protection, non-proliferation and security, waste management, transport, nuclear law, and global greenhouse emissions control;
- ◆ **Technology Innovation**, including next-generation reactors, advanced fuel cycle, waste management, hydrogen production, desalination, advanced battery power;
- ◆ **Nuclear Industry Operations**, including industry economics, knowledge management, fuel market, comparative risk assessment, and operational excellence.

WNU Fellows will graduate in a ceremony presided over by WNU Chancellor Hans Blix, who is also IAEA Director General - Emeritus.

Each Fellow will receive a WNU Certificate and such professional credit as may be awarded by that Fellow's own employer.

A Fellowship application form can be obtained from the WNU website ([www.world-nuclear-university.org](http://www.world-nuclear-university.org)), and should be emailed to the WNU Coordinating Centre not later than 20 December 2008.

WNU Fellowship applicants must provide evidence of meeting ALL the following requirements:

- (1) Currently employed in government or nuclear industry; or engaged in advanced nuclear studies;
- (2) Master's degree in science, engineering, or business; or reactor operator's licence; or equivalent experience;
- (3) Knowledge of nuclear fundamentals;
- (4) Demonstrated academic or professional excellence;
- (5) Maximum age of 35, with exceptions to be considered on the basis of unusual merit; and
- (6) Proficiency in English, particularly oral communication, which is essential for effective participation in the WNU-SI programme.

The cost of participation is a fixed tuition fee of €10,500 plus travel to and from Oxford, UK. The tuition fee will cover all coursework, technical tours, lodging and meals. While attending the Summer Institute, WNU Fellows will occupy individual rooms during the academic programme, enjoy a diverse programme of social events and excursions, and have weekends available for recreational activities. Spouses (and, in exceptional cases, children) may accompany participants for an additional expense.

In general, participants' employers are expected to cover their own expenses. However some applicants from developing countries should be eligible for IAEA assistance.

Selection of WNU Fellows will be made through a consultation process, led by the WNU Coordinating Centre and including the Founding Supporters. The goal is a synergistic, internationally diverse mix of top young professionals. The selection process will place considerable weight on the applicant's demonstrated leadership potential.

## 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 Association of Nuclear Operators and the World Nuclear Association.

The mission of the World Nuclear University is to enhance international education and leadership in the peaceful applications of nuclear science and technology. A non-profit corporation, the WNU pursues this mission through programmes organized by the WNU Coordinating Centre (WNUCC) in London. These cooperative activities are designed to harness the strengths of partnership members in pursuit of shared purposes.

The WNUCC is composed of experienced nuclear professionals, including secondees from governments and major nuclear enterprises. Financial support for WNU activities comes from forward-looking companies, governments, and the IAEA technical cooperation programme. Key philanthropies are being asked to provide additional support to strengthen and broaden the scope of WNU activities, particularly in developing countries.