

## **WIN Global Award 2005 for Outstanding Information on Nuclear Energy to Anne Lauvergeon, Chairman of the AREVA Group**

**European Nuclear Conference (ENC2005), 12 December 2005, Versailles, France**

Today, the civil nuclear industry appears to be poised for worldwide expansion. Rapidly growing global demand for electricity, uncertainty over future supply and availability of fossil fuels, their soaring prices, concerns about air pollution and climate change abatement measures are all forcing many nations to consider a place for nuclear power in their energy policies.

However, there still exists scepticism about the advantages of nuclear energy. This is why women with visibility and credibility are key to gaining public acceptability which is so essential to the successful further deployment of nuclear energy worldwide.



*Anne Lauvergeon awarded by Junko Ogawa, President of WIN Global, 12 December 2005.*

Using generally recognised feminine values, women working in the nuclear and radiation sector with relevant expertise can explain more complex issues surrounding the use of nuclear technologies in terms that others can understand.

We, professional women in nuclear industry, can play a crucial role in revitalising the industry's image, in giving it a new humane face. We need to reach out to others and convey our confidence, passion and commitment to future success.

One of our tasks is also to bring round to our side those bright and influential women working in politics, the finance sector and in the media whose support we need so much these days.

Successful women, in what is regarded as a male-dominated industry, also act as role models for younger women. Attracting capable and ambitious young professionals to our field is one of the major issues we have to address if we are to face the challenges of the nuclear renaissance. And we should ensure that the role of young women in the industry's future development is not underestimated.

Therefore, this year WIN Global Award goes to a woman who exemplifies all these WIN goals, to a woman whose name represents strong willpower and breathtaking achievement, to a woman who controls the largest nuclear company in the world. She has unarguably already contributed to the change in the industry's image, starting with the rebranding of her own company, which is now seen as an example of success and prosperity. She is indeed a role model for any woman in the field and for any young professional to look up to.

WIN Global members sincerely congratulate Anne Lauvergeon for her outstanding achievement.

### **Biography of Anne Lauvergeon**

Anne Lauvergeon graduated from the French National School of Mining Engineers ("Ecole des Mines") and the French "Ecole Normale Supérieure", and holds a degree in physics. She started her professional career in 1983 in the iron and steel industry. In 1984, she directed the European safety studies for the chemical industry of CEA (Commissariat à l'Energie Atomique). From 1985 to 1988, she supervised the underground mining utilities' activities and in 1988, she was appointed Deputy Director of the General Mining Council.

In 1990, she was named Advisor for Economic International Affairs at the French Presidency and Deputy Chief of its Staff in 1991. At the same time she became "Sherpa" to the President, in charge of the G7 Summit's preparation. From 1995 to 1999 she held senior executive posts at Lazard Frères & Cie and Alcatel Telecom.

From June 1999, Mme Lauvergeon was appointed Chairman and Chief Executive Officer of COGEMA, and since July 2001 she has been Chairman of the Executive Board of AREVA.

## WIN Global President signs two Memoranda

During the European Nuclear Conference (ENC2005) in Versailles in December 12-14, a Memorandum of Cooperation between WIN GLOBAL and the American Nuclear Society was signed by WIN Global President, Ms Junko Ogawa, and the President of the ANS, Mr James Reinsch.

This was not the only successful deal that Ms Ogawa managed to strike during her visit to France. She also signed a Memorandum of Understanding with the President of the European Nuclear Society, Mr Bertrand Barré.

Both memoranda are expected to enhance cooperation between WIN Global and members of the American and European Nuclear Societies.

## “Tracking Gold: from Ancient Coins to Famous Jewels...” An event organized by WIN-France.

Another event, related to the WIN activities, took place during the ENC2005. On Tuesday evening, 13 December, WIN-France invited a young nuclear physicist with outstanding expertise in gold archeology, Ms Maria Filomena Guerra, to give an exciting presentation on her remarkable studies and analyses of gold cultural heritage using innovative nuclear techniques. Her studies are based at the Restoration and Research Center of French Museums, located in the Palais du Louvre.

Gold is a fascinating metal. Its extraction and metallurgical processing in the past allowed the production of gold jewellery and coins. But how were these objects manufactured? Since early times, gold was hammered and afterwards refined, alloyed with other metals, cast and soldered. Gold objects were decorated by gilding, engraving, chiseling, application of filigree and granulation, and so on. Gold was traded (gold routes) and gold objects were re-melted and re-used.

The scientific analysis of gold cultural heritage objects by optical and electron microscopy, radiography, accelerator-base techniques, mass spectrometry and micro-topography, gives precious information on the techniques used by the ancient goldsmiths as well as by gold prospectors, conquistadors and pirates, jewellers, coin strikers and counterfeiters.

The aim of the conference was to present examples of these different aspects of ancient gold jewels and coins through their scientific analysis. Thanks to WIN-France, any delegate and guest of the ENC2005 could attend the conference and learn about this rather unusual application of radiation technology.



From left to right: Maria Filomena Guerra, Davinder Valeri, AECL, member of the organizing committee for WIN Global 2006 conference in Canada, Junko Ogawa, WIN Global President.

## Evening event hosted by WIN-Japan at GLOBAL 2005 Conference

A poster for the "WIN Night Session by WIN-Japan" titled "WIN the Public Confidence - Bridge between the Nuclear Specialists and the Citizen". The poster lists the program, panelists, and coordinator. The program includes a greeting, panel discussion, and wine & cocktail party. The panelists are Dr. Junko Matsubara, Dr. Sue Ion, and Dr. Susan E. Pickett. The coordinator is Dr. Kaoru Kikuyama. The event is on Oct. 11 (Tue) 18:30~ at Convention Hall (2F-200). Admission is free.

**WIN Night Session by WIN-Japan**  
**WIN the Public Confidence**  
~ Bridge between the Nuclear Specialists and the Citizen ~

**Program**  
18:30~18:45 Greeting, WIN Activities  
18:45~20:00 Panel Discussion  
20:00~21:00 Wine & Cocktail Party **Admission Free**

**Panelist**

 Dr. Junko Matsubara The former Vice-Chairman Nuclear Safety Commission Office of Prime Minister	 Dr. Sue Ion Director of Technology British Nuclear Fuels Ltd. President of British Nuclear Energy Society	 Dr. Susan E. Pickett Global Threat Reduction Program Office Los Alamos National Laboratory
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**Coordinator**  
  
Dr. Kaoru Kikuyama  
Leader, International Cooperation  
Japan Atomic Industrial Forum, etc.

**Topic:**  
Dr. Matsubara: My experience of promoting dialogue with the public as a nuclear safety commissioner in Japan  
Dr. Ion: The importance of communication between nuclear engineers and local communities  
Dr. Pickett: Development of nuclear engineering should dialogue with citizen from transparency or not?

**Next Session**  
Oct. 11 (Tue) 18:30~  
Convention Hall (2F-200)

On October 11, 2005, on a pleasant autumn evening, WIN-Japan hosted an event at **GLOBAL 2005** Conference entitled "WIN the Public Confidence – Bridging the gap between the Nuclear Specialists and the Citizen" with opening remarks by Junko Ogawa, the President of WIN Global, followed by an introduction to the major activities of WIN-Japan by Junko Nishimura, Executive Board of WIN.

The presentations by the three panelists fascinated the audience made up of about a hundred specialists from around the world, mostly men.

Dr. Junko Matsubara, former Vice-Chair of the Japanese Nuclear Safety Commission, pointed out the importance of risk communication by governments to stakeholders. Dr. Sue Ion, Director of Technology of BNFL, outlined her experience that women specialists tend to be good ambassadors for local communities and in educational projects. Dr. Susan Pickett, Project Leader of the Global Threat Reduction Program Office, LANL, suggested that researchers and engineers should talk to the public more frequently using their skills and knowledge, so that the nuclear technology could be better understood.

After constructive discussion between the audience and panelists, the coordinator, Dr. Kaoru Kikuyama of Japan Atomic Industrial Forum (JAIF), concluded the session at 20:00 with the message that women's capability would be essential to bridging the gap between the nuclear specialists and the public.

More women should be involved in science and technology to facilitate public outreach. The key might be social systems for their education and equal opportunity in employment and promotion prospects. Since women in nuclear in Japan are still "supra-minority", WIN-Japan's efforts so far in these fields have led to the recognition of WIN-Japan as an outstanding organization.

The participants enjoyed casual conversation with wine & cocktails served by WIN-Japan until 9 o'clock.

## WIN-Sweden: Building knowledge

By Gunilla Johnsson, WIN-Sweden, Vattenfall AB.

On 27-28 October, WIN Sweden organized its annual meeting. Out of a hundred members in total, 20 of WIN Sweden's members participated in the meeting. Many ideas were created that would be realized in the coming year. One issue of importance would be the development of the WIN-Sweden website. Gunilla mentioned that they would also try to arrange meetings with female politicians in Sweden.

Some areas of expertise were illustrated during the meeting, for example:

- energy politics in the European union
- the benefit of radiation within medicine and industry
- radiation in the generation of electricity
- myths and truths about risks
- research on methods for the final disposal of spent fuel

The meeting participants also had an opportunity to visit the Hard Rock Laboratory where the Swedish nuclear industry is testing different technical solutions for management of radioactive waste on a full scale. Researchers and experts from universities and companies specializing in the field have been engaged to carry out the work together with SKB, Swedish Nuclear Fuel and Waste Management Company. There is also a great deal of international cooperation around this laboratory. The participants also visited the canister laboratory, the Swedish centre for further development of the encapsulation technology.

## Let me introduce... Slovenian Alfa Division!

Thanks for this material to Nadja Zheleznik, Country Representative for Slovenia.

Slovenia is the smallest nuclear country in the world, with one nuclear power plant, a very small non-power nuclear program and fewer than 2,000,000 inhabitants.

Women working in nuclear and radiation safety obtain their basic education from the University of Ljubljana, while their postgraduate qualifications are often obtained through work experience in other countries in addition to further studies at universities in Slovenia. Women are mainly employed in the State's largest research institute, at the NPP, as well as in governmental institutions, agencies and other radiation-related institutions.

Women are very active in the work of the Nuclear Society of Slovenia. In 2003, a group named Alpha as part of the Nuclear Society of Slovenia (<http://www.drustvo-js.si/indexen.html>) was established, which links women working in nuclear or radiation-related areas together. The main aim of the Alpha association is to provide help for women in nuclear science as well as to inform the general public about issues concerning nuclear and radiation.

The Alpha association has already organized several presentations to the general public on radiation in our environment, everyday life at the NPP, public perception of risky projects and the site selection process in Slovenia.

Alpha also supports women working in the nuclear and radiation area by providing a forum for regular information updates and the possibility for the exchange of different members' views. In this way Alpha helps women to be more informed and to receive support from other members.

The picture shows the first meeting of Alpha which today has more than 30 members from almost all institutions in Slovenia working in nuclear technology and radiation protection.



## What's going on in Bulgaria? A Day of Physics

Provided by Svetlana Dimova, WIN-Bulgaria, Kozloduy NPP.



A student competition, "Physics in people's lives", was held in the House of Culture, Kozloduy, on 24 November 2005. It was organized by WIN-Bulgaria with the assistance of a team of women working at Kozloduy NPP, along with the active participation of teachers in physics from Kozloduy schools. The event was dedicated to the International Year of Physics.

Kozloduy NPP Executive Director, Mr. Ivan Ivanov, welcomed participants of the event and emphasized the fact that the future of mankind depends on the development of nuclear power, and that Kozloduy NPP's specialists rely on the interest of young people in physics to continue traditions of nuclear power in the country.

Three teams from Kozloduy high schools took part in this intellectual competition and one team from Dimcho Debelyanov School in Belene (the site for a future nuclear plant).

Before a large audience, young people demonstrated their knowledge of physics - the science, which is the theoretical basis for the contemporary nuclear industry.

The significant knowledge demonstrated on the subject made it difficult for the jury to make a decision about the best team. With a minimal difference in the final score the first place was given to the St. Cyril and Methodius School, second - to the team from Belene, and third - to the Vocational "Igor Kurchatov" School and Hristo Botev Comprehensive School. The competition turned into a celebration of physics due to some additional ideas - demonstration of some experiments in physics, theatrical performances and an interesting presentation by a KNPP physicist Blagoy Nikolov entitled "Nuclear physics in people's lives".



Kozloduy NPP sponsored the participants' prizes. The teams from Kozloduy were awarded with a day trip to Sofia, the Bulgarian capital city, including a visit to the Bulgarian Academy of Sciences and the Astronomic Observatory. Students from Belene won the chance to visit the nuclear power plant in Kozloduy.

## **WIN Workshop and the Board Meeting at the PIME Conference, Monday 13 February 2006, Vienna International Centre, Austria**

Women in Nuclear Workshop entitled "Targeted communications for specific audiences" will be held from 14.00 to 17.00. The coordinator of the Workshop: Patricia Bryant, American WIN Chapter.

Every stakeholder group has its own particular concerns, priorities and guiding principles. This workshop, organized by WIN looks closely at how tailor-made communications activities that target specific audiences can help the nuclear industry to better understand these audiences, to reach out to a broader range of stakeholders and to state its case with greater conviction. A good opportunity for communicators, both men and women, to focus on targeted communications

Papers presented by:

- Junko Ogawa, WIN President, Japan Atomic Power Company, "The challenge facing the Japan Atomic Power Company: Establishing a multiple communications network in the community"
- Susan Brissette, Canadian WIN Chapter, Bruce Power, Canada, "Pioneering gender-based marketing in Canada's nuclear industry to build support for nuclear power amongst female opinion leaders"
- Cheryl Boggles, American WIN Chapter, Westinghouse, USA

All WIN members are welcome to attend the workshop, and contribute to its programme. Information about the PIME Conference can be found here: <http://www.euronuclear.org/events/pime/pime2006/index.htm> Please contact the WIN Global Administrator, Irina Borysova ([Borysova@world-nuclear.org](mailto:Borysova@world-nuclear.org)) for further information about the workshop and the Board meeting.

### **Mark Your Calendar**

## **WIN-Global 2006: everything you need to know**

*The WiN-Global 2006 Organizing Committee invites you to visit our website to learn about our exciting meeting from 30 May - 1 June 2006 in Canada's Technology Triangle. Our goal is to have every country or region with an active WiN Chapter represented at our meeting in the Spring of 2006. To this end we have launched an International Travel Award to support women from developing countries who would otherwise be unable to participate. Network, present a Poster, learn about important issues, share your knowledge and help position the industry for growth.*

On 22<sup>nd</sup> December 2005, our site [www.win-2006.org](http://www.win-2006.org) is going live. There you will find out more about our program of workshops, tours, networking and top notch speakers. Register on line. Help make our meeting a success by supporting WiN-Global 2006 through financial or in-kind sponsorship. We need your support and involvement to make this event a success!

*WiN-Canada looks forward to hosting you next May!*

Susan Brissette  
Chair, WiN-Global 2006 Organizing Committee

**Thanks a lot to all of you who helped develop this issue of WINFO.**

**We hope to see your active involvement in future issues next year!**

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