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HEADLINES

WIN Global 24th Annual Meeting
The 2016 meeting will take place in Abu Dhabi, UAE from November 21st to 24th. Please ensure you register to attend the conference:

http://womeninnuclearconference2016.com/

Please remember that if you wish to visit the Barakah NPP you must submit your registration before September 29th. For the full programme, information on cultural requirements and social visits, please visit the website.
WiN Global and IYNC Agreement

Se-Moon Park, President WiN Global met with Melissa Crawford, President and Kate Ryabikovskaya, Vice President of the International Youth Nuclear Congress (IYNC) in Hangzhou, China in July to sign an Agreement between the two organisations. The Agreement covers Practical Arrangements and Cooperation Activities between IYNC and WiN Global and agrees to work together in closer cooperation. The aims are to recognize that both organisations can complement each other in the promotion of the safe use of nuclear energy and radiation, to enhance the cooperation between the organisations in nuclear knowledge and transfer and climate change. Cooperative activities will include the sharing of information and views, providing website links and participating in joint events, and to invite designated representatives to each others events or meetings.

WHAT’S NEW?

2016 WiN Global Board Meeting

The Meeting will be held in Abu Dhabi at the Fairmont Bab Al Bahr Hotel, between 13.00 and 15.00 on Sunday, November 20th 2016.

Important Dates:

Online submission of Chapter Reports for the General Conference in November is 31st September 2016. Please upload your report on the conference website:-
www.womeninnuclearconference2016.com/

THE WORLD OF WiN

2016 LAS/ANS Symposium, Rio de Janeiro, Brazil, June 20 to 23

Annually, the Latin American Section of American Nuclear Society (LAS/ANS) holds a symposium in a Latin America country, aiming at the exchange of information and discussion of the world latest developments of nuclear energy applications in the region and the and dissemination to the public in general, including communication professionals, of the benefits of nuclear energy utilization. Win Brazil attended the 2016 LAS/ANS Symposium that had as its main theme “Matching Nuclear and Renewables to Decarbonize Energy” and was held on Rio de Janeiro, Brazil, in June, from 20th to 29th.
This central theme was chosen because of the global recognition that renewable and nuclear are both needed to fight climate change. In order to limit the temperature increase below 2°C in 2050 at least 80% of the world’s electricity must be low-carbon by 2050. This fact is making authorities of several countries to diversify their electricity generation programs by integrating Nuclear & Renewables in their Energy Mix. Traditionally, the Symposium gathers personalities of the nuclear area of the countries from Latin America (mainly from Brazil, Mexico, Argentina and Chile) as well as from North America, Europe and Asia.

The main topics of the symposium were:

- Integration of Nuclear & Renewables in the Energy Mix
- Supply chain development;
- Nuclear Energy day to day applications;
- Human Resources;
- Public Acceptance;
- Review of Legal Structures;
- Nuclear Power Policies.

As it is part of the strategy of the LAS to work with the young people and promote nuclear energy among them, a panel on student initiatives was held on 22th June, the board being composed, among others, by Ms Fernanda Wener (1st place in the EDF-AREVA Public Acceptance competition), Ms Paula Rodrigues (2nd place in the EDF-AREVA Public Acceptance competition) and Alice Cunha (1st place in the WNU-IAEA Nuclear Olympiad 2015).

Dr. Lydia C. Paredes Gutierrez, head of the Instituto Nacional de Investigaciones Nucleares (ININ) from Mexico, was named vice-president of LAS/ANS. She reported that Mexico, until some years ago, was part of WiN global community and the Mexican contact point was then Ms Aida Contreras. Now, they are interested to return and they are selecting the proper person to be the Mexican Contact person.

### Bulgarian Nuclear Energy - National, Regional and Global Energy Security

In June 2016, energy experts, diplomatic mission representatives, and energy companies discussed nuclear energy current state and development prospects during the annual international conference of the Bulgarian Atomic Forum held in Varna.

The Bulgarian Energy Minister, Ms. T. Petkova, attended the Conference opening and presented the Government position on the development of Bulgarian energy. Representatives of the diplomatic corps in Bulgaria shared the views of their governments on the nuclear energy sector development. The speech of the Hungarian Ambassador, H.E. A. Klein was of particular interest.

Members of WiN-Bulgaria (Sofia, Belene and Kozloduy chapters) also attended the conference on behalf of different nuclear energy companies. Presentations were delivered by M. Ilieva, R. Radneva, S. Vaklinova and G. Kostadinova on topics such as Nuclear Facilities Operation and Development Outlooks, Reactor Plant Life Extension, Technologies and Practices in Decommissioning and RAW and SNF Storage and Reprocessing.

On the third conference day business met science and education. More than twenty young people - university students, bachelors, and postgraduates in subjects related with nuclear energy were able to get more extensive knowledge of the activity of leading companies and potential opportunities for their realisation as young specialists.
WiN-Bulgaria Award for 2016

Since last year, WiN-Bulgaria has prepared criteria and announced nominations for awarding Bulgarian women with contributions to nuclear science, research and education, specialists in nuclear industry and technologies, as well as WiN-Bulgaria activists promoting the use of atomic energy for peaceful purposes. The 2015 prize winner was Albena Georgieva, chief expert at the International Cooperation Directorate of the Bulgarian Nuclear Regulator. This year, Milena Dimcheva, medical physicist at the Nuclear Medicine department of SBALOZ EOOD, Sofia, received the already prestigious award. At a ceremony held in July by the Sofia Chapter, the Chair of WiN - Bulgaria, Radka Ivanova, informed the attendees about the qualities and contribution of the nominees to the association activities and together with the Sofia Chapter Chair, Marinela Ilieva, extended thanks for their support to the Chapter work. The awards - statuettes entitled WiN Award and certificates for achievements, were presented by R. Ivanova.

Success of Kozloduy Chapter Secondary School Students at Nuclear Energy Contests

The Varna Technical University (VTU) conducted a national contest - Energy and Us. It attracted 70 secondary school participants nationwide. Members of the WiN Kozloduy chapter studying at the Nuclear Energy Secondary School (NESS) in the town, led by Mr. Valentina Staneva, participated in the event. They presented three renewable energy models and delivered four presentations. The competent jury comprising representatives of the VTU, Varna Municipality and RIO-Varna assessed the quality, applicability and originality of the designs. Our young participants took the 4th and 6th places in the final winners group. The Sofia Technical University (STU) conducted a Best Report competition, again attended by NESS-Kozloduy students. The reports presented were on the topics of radwaste management and the nuclear alternative as a RES. The jury
included representatives of the STU, the Sofia University, Bulatom, Kozloduy NPP, WIN-Bulgaria and leading nuclear companies. Nuclear energy in the outlook of our young future specialists was presented as safe, environmentally friendly and indispensable. All the participants received certificates of attendance, while S. Ivanov and D. Milchovska took 1st and 2nd places in the final classification.

Also during the conference, Heather Kleb, President of WIN-Canada participated in a panel discussion on the long-standing challenge of public communication on nuclear, and the challenge in reaching young women in particular. Katherine Ward, WIN-Canada Golden Horseshoe Chapter Lead, participated alongside Heather. Katherine spoke about public engagement and communications as it relates to nuclear and its role in addressing climate change.

Canadian Nuclear Society’s 3rd Canadian Conference on Nuclear Waste Management, Decommissioning and Environmental Restoration

WIN-Canada will be hosting a reception on Monday, September 12, 2016 at the Canadian Nuclear Society’s 3rd Canadian Conference on Nuclear Waste Management, Decommissioning and Environmental Restoration conference. Similar to previous NWMD&ER conferences, the emphasis will be on the sharing and exchange of information between specialists, government representatives and officials, industry, community, Aboriginal and Métis communities, and other stakeholders to foster collaborations for the benefit of Canadian and international nuclear industries as a whole.
WiN-Canada’s Conference Planning Committee has been hard at work this summer, preparing for the upcoming 13th Annual WiN-Canada Conference. The conference will take place in Ontario, Canada on Monday, November 7, 2016. The theme is “Strengthening the Core”. There are over 60,000 people working in jobs related to the nuclear industry across Canada. The focus of our 2016 conference will therefore be to remind our WiNners that strengthening the core (through personal leadership, career development, science and technology and industry best practices) can help drive our success. By the end of the program, participants should, based on what they have heard and learned, be motivated to aim high, whatever their career goals. For more details see: http://ow.ly/OoJR302tOuE

You can visit us online at:
www.wincanada.org
www.facebook.com/womeninnuclear.canada
twitter.com/win_canada

WiN Germany at the Annual Meeting on Nuclear Technology 2016 in Hamburg

According to the good old tradition, WiN Germany invited again all female participants in the Annual Meeting on Nuclear Technology to the so-called WiN Lunch. May 11th all those who have not known WiN Germany so far had the opportunity to get in contact directly with not only WiN members but also members of the WiN Germany board.

Among the 20 women we welcomed four ladies who became immediately members of WiN Germany.

This gathering took place right after the 5th bilateral WiN Sweden – Germany seminar held at Oskarshamn on April 28th/29th. A lot of participants in this event also joined the lunch and reported enthusiastic about the very interesting days in Sweden. Topics of exchange have been as well the upcoming WiN Global Conference later this year in Abu Dhabi and the WiN Germany General Assembly which will be hold October 27th and 28th in Berlin. Within this year’s GA, a new president and board will be elected.

WiN Korea
Communications Training for Nuclear Experts

At the Orchid Hall of the Hotel Riviera
Yuseong, June 9–10th, WiN Korea held “Training for Improving Communication Capability of Nuclear Experts” to overcome difficulties the nuclear community has recently faced and to foster confident communicators through improving interaction with the media. With a two-tier approach that featured initial and in-depth courses this training was participated in by 31 professionals working in the nuclear arena or public relations, and those who completed the courses after a performance assessment were given certificates and opportunities to receive corrective writing guidance. The participants stated that this training was a rare and precious opportunity to get this kind of education because such opportunities are quite rare but it is highly practical and useful.

Radiation and Nuclear Combined Seminar for Medical Practitioners

At Ewha Womens University Mokdong Hospital on June 23, a combined seminar on radiation and nuclear power was held and attended by medical practitioners working in medical radiation in an effort to come up with suitable measures to increase public acceptance of nuclear power and radiation technology. With an opening speech by President Rena Lee of WiN Korea, the seminar was followed by a presentation entitled “Medical Radiation and Safety” by Keon-Wook Gang, Professor of the department of nuclear medicine of SNU and a panel discussion, which was an opportunity to talk about the topic as a current social issue and share thoughts and opinions on this matter in a constructive manner.

Science Communication Forum

On June 24, as a co-host with Korea Federation of Women's Science & Technology Associations(KOFST), WiN Korea held a forum for Scientific Communication at KOFST Center to devise measures to enhance communication with the public about spent nuclear fuel. At the forum, starting with an opening speech by Se-Moon Park, President of KOFST and a welcoming message by President Rena Lee, Seok Jo, CEO of KHNP delivered a presentation entitled “Changes in the Energy Environment and the Response of the Nuclear Industry”, which was followed by a presentation of the results of the questionnaire on “How Females Think About Spent Nuclear Fuel” by Rena Lee, President of WiN Korea. Eun-Ju Hong, Professor of Hanyang Cyber University led the panel discussion with the panel consisting of Eun-Ok Han, appointed Professor of Korea Nuclear Academy, Ki-Chan Song, General Director of KAERI, Sang-Gyun Lim, Director of Science Dept. of Maeil Business Newspaper, Yeong-Eun Lee, Professor of Wonkwang University finally agreeing that the responsibility for spent nuclear fuel should be taken by every one of us, and we should develop a communication model and foster professionals to communicate with the public in a manner that is devoid of any political bias.
Supporting the Promotion Activities through a Simulation Game Developed by NEDE

On Saturday, June 4, 2016, WiN-Japan (WiN-J) held its 4th student meeting with about Energy (NEDE), an organization consisting of Faculty of Science and Engineering students at Kinki University. Based on their previous experiences, the simulation game developed by NEDE has been more creative and improved. Therefore, the promotional activities made the students realize that the energy problems in Japan are their own problems. The same as last year, the theme of this year was “Power Generation Structures Suitable for the Conditions of each Country”. This simulation game was about the energy in virtual countries (models: Japan, China, U.S., Sweden and Germany) and METI energy policy (Confirmation of the basic viewpoint of the energy policy: Energy Security, Economic Efficiency, Environment and Safety (3E + S Policy)). “Economy (national budget)” and “Environment (CO2 emissions),” from the policy, were focused on and discussed in two steps. The goal of this game was to decide on the ideal power ratio required.

Firstly, each virtual country was provided with conditions such as budget, electricity demand and power generating cost for each power source to decide on the power source structure that minimizes CO2 emissions within the budget. Results were that one group used the entire budget for generating hydro power, which was extremely 250% higher than the demand.

Another group made an imaginary, surreal country shaped as a truncated cone.

Ms. Goto Kansai Electric Power Co. member of WIN-J, lectured about the viewpoint of the 3E + S policy and the current energy problems in Japan. Also, NEDE added the conditions such as “a country with a single power source should reconsider multiple power sources in consideration of the risks” and “the increase in CO2 emissions is acceptable up to 30%”. The students discussed the problems of the tendency to blindly believe in natural energy such as hydro power and wind power and the risk caused by an extremely unbalanced, single power source. As a result, they reviewed the power ratio from various aspects such as the problems related to the 3E + S policy and geographical conditions.

Finally, a presentation of the conclusion by the representatives of each country and Q&A session were held. (Figures-2 and 3) The students expressed their opinions in the questionnaires after the meeting as follows. “It was a good opportunity to hear different opinions.” “We should not focus on efficiency only.” “The most suitable power generation method varies depending on location, so we need to think about both merits and demerits of each power source.” “It is not just good or bad. It is important to consider how much and how to generate power.”

According to Professor Atsumi, an advisor of NEDE, the debates and group discussions through the simulation game resulted from NEDE’s research representing the “Active Learning” method that the university focuses on. The method is an effective learning model that provides active learning and correct information for students. It is expected that the NEDE’s research results will be shared with the students in different universities and developed for younger students such as high school students. WIN-J will continue to support these activities.
WiN-Japan Joined the Summer School for Female Junior and Senior High School Students in 2016

Summer School for Female Junior and Senior High School Students in 2016 was held at the National Women’s Education Center between August 6-8 in 2016. This event was a hands-on science residential camp program, and its purpose was to help them to find out their new possibilities in science or technology fields through dialogues and interchange with science researchers and engineers as well as with university students who major in science and technology. One hundred and eighteen junior and senior high school students and 25 parents and teachers joined.

WiN-Japan participated in the poster session titled “Energy and Our Life.” We explained the composition of Japanese electric power generation by source, and the advantages and disadvantages of the prominent modes of supplying power. At the same time, we tried to foster their interest in energy by providing quizzes about energy and the power mix.

WiN Malaysia successfully held its inaugural Annual Conference with the theme “Empowering Women and Youth in STI: Key to Sustainable Progress” on 8-9 August 2016. The aim of the conference was to highlight and acknowledge the contribution of women in science, technology and innovation (including nuclear), and to cultivate future S&T leaders among the youth, in bolstering the country’s economy and development.

We are deeply grateful for the support and active participation of our distinguished keynote speakers: Janice Dunn-Lee (Deputy Director General of Management of the IAEA), Professor Emerita Dr Mazlan Othman (former Director of UNOOSA in Vienna and current Director, Mega Science Project 3.0 of the Academy of Sciences Malaysia) and Dr Hafsah Hashim (CEO, Small and Medium Industries Corporation (SMECorp)); as well as invited speakers and presenters from home and abroad. We were especially delighted to have participants from WiN Japan and WIN Germany. We would like to put on record our sincere appreciation to Agneta Rising and Gaby Flannery for the free copies of the World Nuclear Association’s publication, Hot Topics and for the initial encouragement and tips from WiN Global President, Se-Moon Park.

WiN Malaysia holds 1st Annual Conference and Workshop on Communications
Women in Nuclear Security

The International Nuclear Security Education Network (INSEN) held its annual meeting at the International Atomic Energy Agency (IAEA) from 22-26 August 2016. INSEN is a partnership between the IAEA, educational and research institutions, and other stakeholders committed to ensure the sustainable establishment of nuclear security education (learn more about INSEN at http://www-ns.iaea.org/security/workshops/insen-shop.asp). More than one hundred participants attended the meeting in Vienna, Austria.

Prof. Oum Keltoum Hakam, WiN Morocco and INSEN Chair, and Ms Alessia Durczok, WiN IAEA and IAEA-INSEN Secretariat, took this opportunity to organize a side event for Women in Nuclear Security. They gathered all ladies from the INSEN community, as well as the International Nuclear Security Support and Training Center Network (NSSC) on 25 August 2016.

Some of our participants had not heard of Women in Nuclear. Our intention was to tell them about the WiN network but also the opportunities that come with it » said Prof. Oum Keltum Hakam after the event. She added « We wanted to encourage Women in Nuclear Security to join WiN Global ». « INSEN has already gathered a large community which is an ideal forum to disseminate information. Our Professors can pass on information about programmes and conferences to their students and reach a large crowd » said Ms Durczok. Ms Hakam also highlighted the upcoming WiN Global Annual Conference in Abu Dhabi, UAE, from 20-23 November 2016 and encouraged all participants to attend this important scientific forum, which is gathering women in nuclear from different background and from different parts of the world.

Ms Maria Kim, from United Nations Office for Disarmament Affairs (UNODA), Vienna, Austria has joined us to present the Global South Women Scholarship for Peace
training courses; an initiative coordinated by the UN Office for Disarmament Affairs (UNODA) at Vienna in partnership with 26 entities. A total of 140 scholarships are made available to facilitate participation of early career women from the Global South at the training courses on disarmament, non-proliferation and development-related issues. All scholarships will cover full costs of registration (tuition fees) and participation (travel, room and board). Applications are now open at www.dnpeducation.org for women from Asia/Pacific, Africa and Middle East (105 scholarships), and 35 other scholarships will be announced in 2017 for women from Latin America and the Caribbean.

All participants had the opportunity to ask questions about WiN Global, the programmes offered by UNODA and the possibility of collaboration between Women in Nuclear Security and WiN Global.

Betty Bonnardel-Azzarelli, co Vice Chair, has also stepped down from the role, due to the commitments of starting her own business earlier this year. WiN UK thanks her for her time and commitment to setting up the UK chapter.

Miranda Kirschel MBE, outgoing President WiN UK said:

"WiN UK has received tremendous support from the nuclear industry since its launch and I am delighted to have been able to take the gender balance discussion forward with the sector. Jack has been a hands-on Vice Chair who led WiN UK’s transition to the Nuclear Institute and is well prepared to take the reins."

Jack Gritt, incoming President WiN UK said

"I’m delighted to be taking over at such an exciting time for WiN UK. Our recent merger with the Nuclear Institute means we will be able to offer our members far more, including regional networks, more of our speed mentoring sessions as well as access to all of the wider benefits of being a member of the NI. I look forward to continuing the great work of WiN UK in this new role and extending our reach to enable the industry change we all support."

New President for WiN UK

Miranda Kirschel, President of WiN UK has stepped down from the role and Jack Gritt, Vice Chair has taken over the role in the interim. Miranda will continue to be part of the Women in Nuclear Executive Board and will take up the position of Vice Chair.
CELEBRATING SUCCESS

WiN Korea member Sun-Kyoung Kim wins the WiTeck Award

Hosted by WiTeck and sponsored by MOTIE, 2016 the 7th WiTeck Award was held on June 23 where Sun-Kyoung Kim (KHNPP) received an award in the category of Public Sector Female Engineers. As the only female leader in the area of nuclear facility maintenance, she is a model female engineer and an inspiration to others because of her excellent abilities and passion, for which the award was given.

WiN Korea member Jin-Sil Seong, Takes Up the Presidency of the Korean Liver Cancer Association

On July 1, member Jin-Sil Seong assumed the 18th presidency of the Korean Liver Cancer Association for a one year term of office. She is currently a professor of Yonsei University College of Medicine and also general director of Asia-Pacific Primary Liver Cancer Expert Meeting

MARK YOUR CALENDARS

2016 WNA Symposium
14-16 September 2016, London, UK

2016 WiN Germany General Assembly
27-28 October, Berlin, Germany

2016 WiN Canada Conference
7 November 2016, Ontario, Canada

2016 WiN Global Annual Conference
20-23 November 2016, Abu Dhabi, UAE

PRESIDENT’S CORNER

I share with you herewith my message which is published on the conference website:


A Warm Welcome To A Historic Occasion

It’s a great honour for me to welcome you to the 2016 Women in Nuclear Global annual conference. Each year we bring together members who are working hard across the fields of nuclear energy and radiation applications to help further their professional skills and careers, and to make an important contribution to the vital issues which face our world.

That is why the fact that we are meeting in Abu Dhabi this year is so important. You are taking part in an historic event. It’s the first time we are holding our conference in an Arabic nation, and reflects just how much the field of energy production is changing right around the world. Our hosts, the United Arab Emirates, are committed to using the peaceful
application of nuclear energy to make a profound contribution to addressing climate change. That's a bold commitment, especially here in an oil-rich region. It shows that the UAE is determined to help the world reduce carbon emissions.

Their vision is perfectly aligned with ours: WiN Global supports nuclear energy as a major part of the worldwide fight to fight climate change. At COP21, in Paris last December, our organisation took part in the Campaign for Nuclear Energy, and we argued that nuclear energy should be recognised as an important low-carbon option. We represented our powerful Women in Nuclear Declaration for Earth Climate. We had discussed and developed it during our conference in Vienna last August, and it received a lot of positive attention.

We need to argue positively for nuclear energy. Especially amongst women. Research shows that women around the world are less accepting of the nuclear option. We need to communicate its benefits and prove that its peaceful use will benefit the environment now and long into the future. I believe that women will respond to that argument, and we can change perceptions.

And Abu Dhabi is already changing perceptions about nuclear energy, which is why it’s so appropriate – and exciting – to be here. I’m sure that we will be able to enjoy all that Arabic culture offers in this wonderful place, from its history, culture and nature to its unique vision of the future for the region.

I’d like to thank Ms. Hasna Alblooshi and the organising committee of WiN ENEC-UAE for being such welcoming hosts, and to ENEC for their generous sponsorship of the event.

I hope you have a fascinating, full and fun time!

This September issue of WiNFO will be the last one that I publish because my 4 years of Presidency will end in November in Abu Dhabi at the WiN Global General Assembly. I have been very happy since 2012 May to communicate with many WiN members via this newsletter.

I hope to see many WiN members in Abu Dhabi in November.

Dr Se Moon Park
President WiN Global

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