



INWES Member Newsletter #11 – October 2012

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The current membership includes: 37 Organizational Members, 3 University/Institutional Members, 1 Corporate Member, 137 Individual Members and 11 Honorary Members representing over 200,000 women Scientists and Engineers over 45 countries around the world. Recently two new organizations were created under INWES APNN which are:

- **WiSTEM:** Association for Mongolia Woman Scientists, which had followed the organization manual of INWES

- **TWiST:** Society of Taiwan Women in Science and Technology (TWiST) which was organized in Oct 2011 and is to host the 2013 APNN meeting

There is still a need to recruit new corporate Members and in light of this, I with others, have been working continuously to persuade companies including L'Oreal, Samsung, LG and Hyundai Automobile to join us.

News from the President

Activities from August 2011 to September 2012

I started off my presidency of INWES, on September 1, 2011, by sending out e-mails to all our members and sponsors. Since then I have been preparing a proposal for an INWES strategic plan which will be developed further using ideas from board members as well as INWES members. Several activities are in progress and seven executive meeting have been held via Skype between August 2011 and September 2012.

1. Recruiting New Members

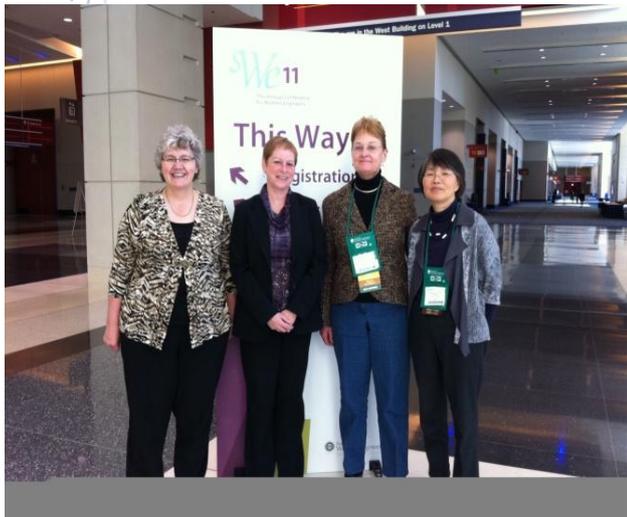
2. Representing INWES at Other Meetings

I have represented INWES at the following venues in 2011~2012:

- **WFEO meeting:** September 3, 2011, Geneva, Switzerland.

Marlene, Monique, and Kong-Joo participated in the meeting.

- **SWE (Society of Women Engineers) annual conference:** 2011 October 13-15, Chicago, USA. Kong-Joo, Liette, Joan participated as representatives of INWES, and discussed with SWE on the preparation of ICWES 16.



Representatives of INWES, SWE Annual Meeting (Joan, Liette, Gail and Kong-Joo)

■ WiSET meeting: June 14-15, 2012, Kuala Lumpur, Malaysia

APNN members including Kong-Joo, Jung Sun, Hyang Sook You (Chair of APNN) and many KWSE members participated.

■ At the WFEO meeting held this year (2012) in September in Slovenia, Marlene Kanga participated as the INWES representative.

3. Preparation for ICWES16

ICWES16 (Chair, Gail Mattson) will be held in Los Angeles, USA, organized by SWE. I have been in contact with Marlene Kanga (VP Conference) discussing the MOU between INWES and SWE, which Marlene expecting to finalize any moment.

4. INWES Regional Networks

INWES has started to build regional networks to promote regional activities tailored to local conditions.

APNN (Asia and Pacific Nation Network) is the first INWES regional network which was established in 2011 at the ICWES15 in Adelaide, Australia. The 2nd APNN was held on June 13, 2012 in Kuala Lumpur, Malaysia and details of the 2012 APNN are outlined below:

■ KWSE (Association of Korean Woman Scientists and Engineers) had been elected chair organ

ization of APNN for 2011~2014. Dr. Hyang Sook Yoo was appointed chairperson of APNN as a representative of KWSE.



Hyang Sook Yoo (Chairperson of APNN)

■ Two new organizations were created in 2011~2012 through APNN: WiSTEM and TWiST

■ The second APNN report was published and distributed to INWES board members as well as to UNESCO.

■ Through funding (\$20,000) for APNN supported through KWSE from KOFST (Korea Federation of Science and Technology Societies) 10 APNN members received travel awards. KWSE also supported the travel of the Korean participants.

■ The Policy manual of APNN is to be finalized, in the format of an INWES regional network.

■ APNN 2013 was decided at the AGM to be hosted by TWiST and held in Taiwan next September.

5. INWES Regional Meeting

INWES is to hold regional meetings in the years between ICWES15 (2011) and ICWES16 (2014). This year, a regional meeting was held in New Delhi, India, hosted by WISE India by a bidding procedure. We are pleased to announce that the next regional meeting will be in Kenya in November 2013.

6. Funding for INWES Activities

I have been trying to obtain funding for INWES from the government as well as from corporations. As of now the following is in progress:

■ The Korean Assembly of Women and the Honorable, Yoo, Seung-Hee, they are trying to



support us with \$ 35,000 for the INWES program through KWSE. We have to write up a proposal on INWES activities.

7. Website

Due to the ending of our contract with the former company in charge of our website, the Web portal has been transferred to a new provider and a new developer has been hired to modernize our website. Please stay tuned for a new exciting new website coming soon.

8. Others

In celebration of its 20th anniversary, KWSE is planning to hold an Asian Young Women Scientists Camp (exact title as yet undecided) in 2013.

This year in November, KWSE will be running a pre-program, in which Asian women scientists working or studying in Korea can participate.

With the election of the current President emeritus of KWSE, Dr. Byung Joo Min as assembly-woman, several forums have been held to discuss issues pertaining to women scientists and engineers in Korea, which will hopefully be included in the policy making of the next government.

News from INWES

Memorandum of Understanding with World Federation of Engineering Organizations Committee for Women in Engineering

INWES and the WFEO Committee for Women in Engineering are the two international organisations for women in engineering. It is fitting that these two groups work together co-operatively and collaborate on projects which meet the common goals of both organizations. Both organisations are committed to attracting and retaining women in engineering.

The Memorandum of Understanding between INWES and the WFEO Committee for Women in Engineering was finalised and signed by Prof. Kong Joo Lee, President, INWES and Ms. Bashayer Al-Awaad, Chair, WFEO Committee for Women in Engineering.

The MoU was finalised at the WFEO CWIE meeting on 16 September 2012 in Ljubljana Slovenia. This is an important occasion and joint projects support women in engineering are anticipated in future.



Ms. Bashayer Al-Awaad, Chair WFEO Committee for Women in Engineering and Dr. Marlene Kanga, INWES Representative at the Committee with the Memorandum of Understanding for co-operation between the CWIE and INWES, Ljubljana Slovenia, 16 Sept 2012



Meeting of World Federation of Engineering Organisations Committee for Women in Engineering in Ljubljana Slovenia, 16 September 2012

The World Federation of Engineering Organisations (WFEO) held its annual meetings of its Standing Technical Committees in Ljubljana, Slovenia on 16-17 September 2012. The meeting was followed by the World Engineering Forum, WEF2012.

The WFEO Standing Technical Committee Women in Engineering (CWIE) was established in 2008 and held its first meeting in Brasilia, Brazil in October 2008. Subsequent meetings have been held in Kuwait (2009), Buenos Aires (2010) and Geneva (2011). The committee is hosted by Kuwait (Kuwait Society of Engineers – KSE). The Chair is Ms. Bashayer Al-Awaad.

The members of the WFEO are engineering associations from more than 100 countries around the world. Representatives of these associations are members of the Standing Technical Committees, including the Committee for Women in Engineering. Currently approximately 30 members have representatives on this Committee.

Committee activities between Sept 2011 – Sept 2012 have included:

- a seminar on women in engineering on 8 March 2012 at UNESCO to celebrate International Women's Day
- Participation in the Global Virtual Marathon for Women in Engineering, March 7-10 2012
- International Telecommunication Union (ITU) Regional Workshop on ICTs for Women's Empowerment in the Arab Region, Kuwait, 5-6 Oct. 2011
- Attendance at the INWES APNN meeting and the WiSET Conference, Malaysia June 2012
- The Second Forum for Arab Women Engineers, Beirut at UNESCO, 11-12 May 2012

The Committee has translated its flyer on best corporate practices to support women in engineering into Spanish and French with an Arabic

version to follow. The flyer is available at www.wfeo.net.

Events planned during 2012-13 are:

- Participation in the WiSE India INWES Regional Conference, Oct 2012
- Proposal to hosted a seminar on women in engineering on 8 March 2013 at UNESCO to celebrate International Women's Day
- Participate in the Global Virtual Marathon for Women in Engineering, March 2013
- Work with the Institution of Engineers Singapore WiE Committee for WES2013 to be held in Singapore on 7-14 September 2013, to organize the Women's Forum and lunch.

*By: Dr. Marlene Kanga FIEAust CPEng FIPENZ
National Deputy President, Engineers Australia
INWES WFEO CWIE Liaison and Chair Conferences,
INWES Board*



Members of the WFEO Committee for Women in Engineering at their meeting, Ljubljana Slovenia, with the WFEO President Mr. Adel Al-Kharafi (centre), 16 Sept 2012.



Members of the WFEO Committee for Women in Engineering at their workshop for future activities, Ljubljana Slovenia, 16 Sept 2012.

Obituary

Obituary – Professor Mitsuko Kazuno

This is a personal appreciation of Mitsuko Kazuno who died last year

Mitsuko Kazuno was a Professor of Physics at Toho University just outside Tokyo, Japan, a post from which she retired about 10 or so years ago. I first came across her at ICWES9 in Warwick, UK, where she represented Japanese Women Scientists. When I travelled to Japan in 1994 I had a 24 hour stopover in Tokyo, and as a result of correspondence between her and Elizabeth Laverick, she and a colleague came to the hotel and took me out for the day to show me around, we had a wonderful time. This was my first experience in a country with a different culture to mine (I am from UK) and it was quite overwhelming – I could not understand the language or even read figures – and I think if it hadn't been for Mitsuko and her colleague I probably wouldn't have left the hotel.

Mitsuko was heavily involved in the organisation of ICWES11 in Japan. In a way I represented Elizabeth Laverick there, and she made sure I was involved in the opening ceremony as well as other events. In addition, Mitsuko arranged

for me to stay in a guest room at the University so that I could extend my stay and get more experience of being in Japan. She took me round and explained how I should do things and how to travel around. She was a perfect host.

At ICWES11 it was suggested that an organisation (which later became INWES) should be founded. Monique Frize arranged a meeting in Merrickville in Canada with a few interested parties to discuss this, and Mitsuko came to that meeting and so became one of the founders of INWES which was inaugurated at ICWES12 in Ottawa. She was a member of the first INWES Board.

Mitsuko supported INWES as she did women in science and engineering in Japan. She was one of our pioneers, and so her death is another blow to us after other losses of our senior supporters. I had tried to contact her recently but to no avail, but I will always remember a woman who was very clever, who cared about and helped others, and who pushed forward the boundaries for women in science.

By: Sue Bird, Past President, INWES



Introducing INWES Members

INWES represents over 200,000 women Scientists and Engineers over 45 countries around the world.

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TwIST: Society of Taiwan Women in Science and Technology (TwIST) which was organized in Oct 2011 and is to host the 2013 APNN meeting.

News from INWES Members

Report of Activities of Poland's Women March 2011- September 2012

European Congress of Women: Women for Poland, Poland for Women.
17-18 September 2011, Warsaw, Palace of Science and Culture



Congress of Women 14-15 September 2012, Palace of Science and Culture, Warsaw



Ms Anna Komorowska, First Lady of Poland was the keynote speaker at the conference

International Conference: Innovativeness and Creativity of Women: Deign I Innovative Economy
17-18 March 2011 Warsaw-Kracow



Organizers: The Polish Patent Office, Warsaw Stock Exchange, WIPO, Jagiellonian University, (INWES), Warsaw University, PKPP Lewiatan, business members from Poland and abroad (mostly women)

International Conference: Innovativeness and Creativity of Women: Design of Quality of Life in Modern Economy, 22-23 March 2012



Conference under the auspices of the Polish President, Mr Bronisław Komorowski, Warsaw Kraków, The Polish Parliament and Warsaw Stock Exchange, Jagiellonian University. The conference was attended by lecturers (mostly women) from Europe, Asia, North America, Africa, Australia, representatives of business, academia, government and developers. Prof. Ewa Okoń-Horodyńska (INWES) presented the role of the organization organization in the world. The event was broadcast on the Internet.

17-26 July 2012 Summer Institute 28-29 July 2012 Economic Crisis in Europe and Beyond: Towards Gender-equitable Macroeconomic Policy-making and Economic Governance” (program included)

The symposium on “**Economic Crisis in Europe and Beyond: Towards Gender-equitable Macroeconomic Policy-making and Economic Governance**” was the 13th International Symposium organized by GEM-IWG with INWES support. It was held on 28-29 July, 2012 at the Collegium Novum of the Jagiellonian University in Krakow. The symposium addressed the origins and consequences of the economic crisis with presentations offering both theoretical as well as empirical perspective and contributions with regional and country-level emphasis. Attention was given to government responses to the crisis, and policy recommendations. The symposium brought together over 60 participants with a wide range of expertise and contributed to the process of generating and sharing knowledge for the formulation of gender-equitable responses. Among presenters there were Nilüfer Çağatay (GEM-IWG and University

of Utah, Rania Antonopoulos (GEM-IWG and Levy Economics Institute of Bard College), Dimitri Papadimitriou (Levy Economics Institute of Bard College), Elisabeth Klatzer (Vienna University of Economics and Business), Ewa Okoń-Horodyńska, INWES.

The symposium closed the Summer Institute that took place at the Jagiellonian University Conference Center in Przegorzaly in Krakow, between 17 and 26 July 2012. The areas covered by this intensive workshop were far reaching and included the following modules: Introduction to Gender-Aware Economics / Feminist Economics; Redefining the Macroeconomy: Conceptual, Analytical and Data Issues; Fiscal Policy; Globalization, Economic Dynamics and Challenges from a Feminist Perspective; Gender and Labor Dynamics: Theory and Empirical Patterns; Gender and Poverty; the Evolution of Monetary Policy and International Finance; Economic Crisis: One or Many?

Twenty – three economists from sixteen countries participated in the programme as fellows. They represented various backgrounds, regions and countries –from Africa (Botswana) and Asia (China, India, Kazakhstan, Uzbekistan) to MENA region (Jordan, Lebanon, Iran), Southern (Croatia, Greece) and eastern Europe (Poland, Ukraine). Nearly as diverse were the twenty instructors representing academic institutions and international organizations from thirteen countries.

GEM-IWG was founded in 1994 as a research group that has carried out theoretical, empirical and policy-focused research in the area of gender, macroeconomics, international trade and finance. The network is organized at the global level, regional and country levels. The regional groups include GEM- LAC, GEM- Asia, GEM-Africa, GEM- MENA, and GEM-Europe. In 2003, in response to growing interest and advocacy GEM-IWG launched its Knowledge Networking and Capacity Building Programs, which in 2012 was organized at Jagiellonian University in Krakow. Now the INWES seems to be a new partner of the network.

By: Prof. Ewa Okoń-Horodyńska, Jagiellonian University Krakow, PL, INWES Board Member



Kong-Joo Lee receives L'oreal Korea-UNESCO Award



Kong-Joo Lee, President of INWES, was the recipient of the 11th L'oreal Korea-UNESCO Award for Women in Life Science this year. At the annual ceremony on June 26th, Kong-Joo was recognized for her excellence in proteomics research through which she has discovered proteins responsible for cancer metastasis and the stress mechanism.

The award is given to the most outstanding woman scientist in Life Science in Korea every year. Kong-Joo is currently the dean of graduate school of Ewha Womans University and has served as director of one of the National Core Research Centers specializing in cell signaling drug development.

By Jung Sun Kim & Hyon Jung Jang

Dr. Marlene Kanga Becoming National President of Engineers Australia in 2013



Dr. Marlene Kanga, one of the most influential engineers in Australia, has been elected to become the National President of Engineers Australia in 2013. Engineers Australia is the national professional association for engineers in Australia

with 106,000 members. As National President, Marlene will be one of a small group of women who have become national leaders of the engineering profession in their country, a significant achievement in a profession which continues to have a small proportion of women. Less than 10% of engineers in Australia are women.

Marlene is a Chartered Professional Engineer and a Fellow of Engineers Australia and Engineers New Zealand. She is a Chemical Engineer with a specialisation in risk engineering and is registered on the Board of Professional Engineers Queensland.

Marlene has been a member of the National Council of Engineers Australia since 2007 and has implemented many changes which are significant to the engineering profession. She has strengthened the organisation's support for diversity via the **Career Break Policy**, increasing the number of women engineers on the College Boards and women Fellows and Honorary Fellows. She is **Chair of the Innovation Taskforce** which prepared a report on "Innovation in Engineering" to make Australians and the community more aware of the importance of engineering innovation to a growing economy and to modern life.

Marlene is an advocate for women engineers and was **Chair of the National Committee for Women in Engineering**, Engineers Australia, during 2008-2009 and Deputy Chair during the very successful Year of Women in Engineering in 2007, which also won a **National Engineering Excellence Award**. Her strategic initiatives to "**Attract, Retain, Support and Celebrate**" women in the engineering profession has resulted in ongoing support for women engineers with membership growth being the fastest growing segment in Engineers Australia. She was Co-Chair of **ICWES15** - The International Conference for Women Engineers and Scientists which was held in Adelaide in July 2011, the first time such a conference was held in Australia.

Marlene is Board member of the International Network for Women Engineers and Scientists (**INWES**) and a founding member of the **Asia Pacific Nation Network (APNN)** which mentors other women engineering organisations in



the Asia Pacific. She hosted the first INWES APNN meeting in Adelaide in July 2011 and this has gone on to support the development of networks for women in engineering in other countries in Asia including Mongolia and Taiwan.

Marlene represents Australia at the **World Federation of Engineering Organisations (WFEO)** and is a member of its **Committee for Women in Engineering**. She is also a member of the **Committee for Disaster Risk Management** and is Chair of a Sub-Committee for developing resources for increased resilience against natural disasters, especially in developing countries.

Marlene is co-founder and Director of **Omniscient Pty. Ltd.** which is the leading supplier of intelligent surveillance systems internationally. The company has developed patented software technology, based on Australian research and has won multiple awards internationally. The system has been installed in large airports, transportation and public infrastructure in Australia, Asia, the Middle East and Europe.

WE12 - USA

WE12 – Society of Women Engineer's 2012 Conference

This will be in Houston, TX from November 8-10. It is a great place for professionals and colleagues will be able to:

- Participate in valuable professional development sessions
- Network with other engineering professionals and students
- Find a dream job at the Career Fair
- Experience Houston through tours
- Enjoy exciting plenaries, keynote speakers and awards banquets
- Relax in the lava lounge and read about inspiring stories of many women and you too can share your story.

The event will be held at the George R. Brown Convention Center in Houston, TX. Usually more than 5,000 women engineers and technologists attend this event. So it is a great way to meet new people and learn a lot from the various seminars, classes and tours.

For more information you can go to this site –

<http://we12.swe.org/we12-highlights/about-we12>

Details for the event are on the right side under the various topics.

By Joan Graf

INWES Treasurer and SWE representative

Interview Brock University Canada - Scientifically Yours

Conversation with Thad Harroun, responsible for *Scientifically Yours* at Brock University.

Rohama Basit, an undergraduate student at Brock under the supervision of Liette Vasseur, interviewed Thad about a unique program at Brock to attract girls to sciences.

Rahama: How would you describe “Scientifically Yours”?

Thad: It is a fun science camp for high school girls. It is now in its 22nd year. It provides the girls with a hands-on science experience. It also serves two purposes: (1) it introduces the girls to science but (2) it also introduces them to university life. This last point is especially important for girls from families who haven't attended university previously. So this camp introduces them to university life as well since they get to spend a night in the on-campus dormitories.

Many universities have science camps but we are the oldest university camp program for girls



in Canada. At the University of Toronto and other universities, there is more of a focus on engineering, on math. Ours, however, differs from other camps in that ours is a science-based camp and the program is also unique since it is a camp entirely for girls. The other camps are co-ed with, perhaps, 1 or 2 classes that are specifically for girls.

One other key point that makes our camp different from the other science camps is the mentorship aspect. It is a recipe that makes ours very successful. Most science camps, you have fun and blow things up. But we have several opportunities for the girls to ask questions to women who have succeeded in their fields. On the first day, there is a guest speaker – like last year we had a woman who works at a gold-mining company and in another year, we had the head of a Paediatrics program from Calgary. These are all Brock graduates so it's also an opportunity for the girls to see first-hand what kind of things you can do with a Brock degree.

The biggest question that is always posed to these women is about the balance between their career and their life: how do I have a family and a successful career? This is what drives a lot of women away from the field. At the end of the camp, we close with a formal dinner and there's a female speaker – usually someone within the local area – programmers from Rockstar Games, doctors, dentists, someone from environmental science. It's another chance to ask questions and usually it's something like - how did you do in university? The dinner is the highlight of the camp. The girls ask questions and report their experiences at the dinner. Nothing beats a role model – for undergraduate, masters, and the doctoral level – especially if it is a successful role model. I think this is the one of the key factors missing from other science camps.

Rahama: What do you think is attracting girls to come?

Thad: Number 1 – A mixture of things but number 1 on the list would be science. It shows what they will be doing at the university level as opposed to what they are doing in high school.

Number 2 – It is a chance to look at university especially for local girls – what is Brock like?

Number 3 – The mentorship aspect. The girls find it to be the best aspect of the program and we know this through the questionnaires that they fill out at the end of the camp.

Rahama: What do you think are some of the lessons that the girls learn through this program?

Thad: Number 1 – the girls find that university life is not as scary as they might think. They meet other students who help them and there's the friendship and camaraderie that develops through that interaction, much like the friendships they foster in university.

Number 2 – hopefully they find that the science that they were afraid of isn't so scary. For example, a girl might like biology but she learns that physics isn't so bad either.

Number 3 – a lot of girls come with a certain career path in mind. For example, I want to be a doctor with a biology degree. But after coming here, they go back with the message that they should have a fallback and that they should try something else.

I think there's an emphasis on number 1 and 2 especially.

Rohama: On the website, it says that students have to choose from a number of activities. How does that work?

Thad: They have to pick 6 projects and then, at the end, they have to pick two favorites out of those projects. Most girls think they are interested in biology but they try something else and find it pretty cool. Every department in math and science has been represented: math, chemistry, biology, computer science, earth science, physics, wine-making (which is an activity project unique to Brock), psychology, applied health sciences (health & human sciences). Everyone has had a project. We have a really broad-based program, which is unlike the other engineering-based camps.

Rohama: Do you have any memorable moments since you've been involved in the program?



Thad: A couple of good examples...We had an astronaut come one year, Julie Payette. Well, she didn't actually come and so it was through video-link. The girls thought it was really cool. Now, it is one thing to *know* about the rings of Saturn but it is a different experience altogether to see the rings of Saturn. So we set up telescopes in a field at night – it was really an eye-opening experience for many of the girls.

Last year, we had a girl come to Brock to do physics – she's here now. When she attended the science camp, she wrote a poem about how fun physics is and shared it at the formal dinner. It was really nice. – Here's her poem:

Physics, physics, I love thee
More than bio or chemistry.
When I study waves of sound
Good study problems oft abound.
If I know the temperature of air (and
some echo timing data from a
falling coin that was spare)
I can calculate distances anywhere.
Megajoules, Watts, and Hertz,
My friends all think that I'm a nerd.
With folks like Newton and Hofstadter,
This field just could not get better.
String theory and the LHC

Modern physics for you and me
Your scientific field, it is all wrong
For I am an aspiring physicist and this is
my song.

~ Emma Hansen

The girls that come back usually end up in biology but not usually physics - she did though.

Rohama: Any advice for others wishing to start this endeavour in their own area?

Thad: Organizing Committee - make sure you have a really good committee. They are the ones responsible for the event including the health and safety of the girls coming in. This committee must be a group of dedicated people. It's easy to find projects within the organization's ability and, it's fun. But it takes leadership to organize this event. I think that is the most important piece of advice.

Thad Harroun is an Associate Professor in the Physics Department at Brock University. To contact, Dr. Harroun, please email him at tharroun@brocku.ca.

Conferences, Workshops & Events

SWE Update for Tour de Table

SWE Conference is coming up Nov. 8-10, 2012 in Houston TX.

<http://we12.swe.org/>

Registration is still available at the above site

SWE's International Membership Team will have many members from their 'pilot' areas attending – Nigeria, Japan, Germany and Koc University in Turkey. There will be an International Member's Meeting, a SWE Internal Sister Program and many sessions directed to International members such as International Mergers and Acquisitions – What to Do When you Find Yourself as Key Role. Outreach committees will also showcase various programs and events.

2012 APNN held in Kuala Lumpur, Malaysia

The second INWES APNN meeting was held at the Istana Hotel in Kuala Lumpur, Malaysia on June 13th, 2012. Co-hosted by KWSE, the Chair Organization of APNN, and the subcommittee on Women Engineers (WE) of IEM (Institution of Engineers Malaysia), the one day meeting was attended by 38 people from 14 Asia Pacific countries. In her welcome address, Prof. Kong-Joo Lee, President of INWES, briefly outlined the history of INWES and explained why a regional network in the Asia Pacific is important for the advancement of women scientists and engineers. She also emphasized that APNN is the hope for reconciliation, sharing and communication among women scientists and engineers in



the Asia Pacific. Dr. Marlene Kanga, Vice President of INWES, then followed and gave a presentation entitled, "APNN: where are we headed?" where she outlined the events that brought forth the APNN meeting which was first held successfully in Adelaide, Australia the year before, during ICWES15. Dr. Kanga was one of the co-chairs of ICWES15. INWES Board members attended were Kong-Joo Lee (KWSE, Korea), Marlene Kanga (Engineers Australia, Australia), Kayoko Sugahara (INWES-Japan, Japan), Jung Sun Kim (Dongseo University, Korea) and Dillip Pattanaik (representing Sangeeta Wij of WISE-India, India).

Invited Speakers were Yoslan Nur, Program Specialist of the Division for Science Policy and Capacity Building, UNESCO, who presented, "Engineering Issues and Networking in the Asia-Pacific Region-UNESCO Perspective" and Dato Ir. Lee Yee Cheong, Chairman of the Governing Board of the International Science, Technology and Innovation Center (ISTIC) who gave a special talk on "Whither Science, Engineering and Technology?" Women scientists and engineers from Australia, India, Japan, Korea, Kuwait, Malaysia, Mongolia, Pakistan, Singapore, and Taiwan either presented their national policies on women or introduced the structure and programs of their organizations. Although most presentations revealed a low percentage of women among engineers, a surprisingly high women ratio was reported from Kuwait and Mongolia. Even so, most of the participants agreed that measures are still needed to bring out more hidden talents of women in science and engineering in the Asia Pacific.

The most noteworthy and exciting outcome of the APNN was the establishment of two new organizations in last year, TWIST (the Society of Taiwan Women in Science and Technology) and WiSTEM (Association for Mongolian Women Scientists and Mongolia) which joined INWES this year. At the general meeting, the chairperson, Dr. Hyang Sook Yoo, gave an annual report of the activities of the Chair organization, KWSE, as well as that of APNN. She thanked Dr. Yong-Hyeon Shin, President of KWSE, for raising over 15,000 USD for supporting the travel of 15 women as well as the meeting itself. She also acknowledged Datuk Rosaline Ganendra, the IEM representative and INWES member, for her

effort in preparing and organizing the 2012 WiSET as well as the 2012 APNN.

The formation of regional networks was first initiated during the board meetings at ICWES14 in Lille, France in 2008 after which an "Asian Network Workshop" was organized during the INWES Regional Meeting in Busan, Korea in 2009. The first formal meeting was held in Adelaide, Australia in 2011 and the third APNN is to be held in Taiwan in September, 2013, which is unanimously decided to be at the 2012 APNN.

By: Kong-Joo Lee & Jung Sun Kim



The 2012 APNN participants group photo



Kong-Joo Lee giving the welcome remarks



Yoslan Nur, the invited speaker from UNESCO



The INWES booth was opened during 2012 WiSET



Marlene Kanga introducing APNN



The INWES booth during 2012 WiSET



INWES Member Newsletter

Deadline for Issue #12: 15 November 2012

Contact: Roseni Dearden

Email: roseni.dearden@gmail.com

INWES Board

Executive Committee

- President Kong-Joo Lee, KWSE, South Korea
- President-Elect Monique Moutaud, FI, France
- Past President Sue Bird, WES, UK
- Secretary General Jung Sun Kim, Dongseo University, South Korea
- Treasurer Joan Graf, SWE, USA
- Vice-President Conferences Sanjeeta Wij, WISE India, India
- Vice-President Programs Liette Vasseur, Association de la francophonie à propos des femmes en sciences, technologies, ingénierie et mathématiques (AFFESTIM), Canada

Other Board Members

- Nageen Ainuddin, Women Engineers, Scientists and Technologists in Pakistan (WESTIP), Pakistan
- Margaret Ajibode, WES, UK
- Rufina Dabo Sarr, Association des Femmes dans le domaine des Sciences et de la Technologie au Senegal (AFSTech), Senegal
- Roseni Dearden, UK

- Marlene Kanga, Engineers Australia, Australia
- Uduakobong Okon, Association for Promoting African Girls in Engineering, Science and Technology (APAGESTE), Nigeria
- Ewa Okon-Horodyska, Poland
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A big THANK YOU to Marlene Kanga and Pam Wain for their valuable service rendered to INWES over the past year as Vice Presidents of INWES. We pray that Pam be in good health and best wishes and congratulations to Marlene on her role as President of Engineers Australia.

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