



MEMBER NEWSLETTER

PRESIDENT'S MESSAGE

Dear members of INWES,

I hope all of you are in peace and have been enjoying yourselves with lively activities during this vacation time. Since ICWES16, which will be held from 23rd to 25th of October in Los Angeles, USA, is rapidly approaching, the host organization SWE, ICWES16 Chair Gail Mattson, and Treasurer of INWES, Joan Graf, and the committee members of ICWES are working tremendously hard – finalising the programmes, awards, and events.

We very much appreciate their efforts and hard work, and look forward to the exciting event. We have two special reasons to do so this year. One is ICWES16 itself, which gathers under the theme of “Global Exchange for Change”, and joins with the annual conference of SWE - WE14, in which about 7000 women are expected to participate. We are sure to experience bidirectional diversity. International members will experience the well-organised SWE spirit, and SWE members will realize the diverse endeavours and cultures of women in STEM worldwide. Building this kind of understanding of one another across nations is crucial to our mission, and to making the world a better place.

The second reason is the celebration of the half centennial of ICWES, which is being planned by Margaret Ajibode and the INWES board. INWES has been archiving the history of ICWES, which started in 1964 and we plan to present the “herstory” of ICWES at ICWES16. I believe this timely reflection on our past will inspire us to go further in our efforts for a better future.

In this newsletter, you will find news on regional INWES activities taking place around the world. APNN (Asia and Pacific Nation Network), the first regional network of INWES, held their 2014 meeting at Ewha Woman's University, Seoul, Korea on July 30th - hosted by KWSE (The Association of Korean Woman Scientists and Engineers), which is the first chair organization of APNN. The 2014 APNN was held in conjunction with MAPWiST (Meeting of Asia & Pacific Women in Science and Technology) and the YWS (Young Woman Scientist)

Camp. It was a great success, and an opportunity for eleven APNN countries to present their annual progress reports on women in STEM. At the MAPWiST, each country presented the survey results of a common questionnaire, developed by Professor Kong-Ju-bock Lee and Jung Sun Kim. The active discussions and warm communications kept on going. Representatives from recently formed organizations - WISE-Sri Lanka, WISE-Nepal, WSTEM of Mongolia and TWiST of Taiwan - participated very actively and reminded us how important the network is. Young women at the YWS Camp were very excited to further their career goals, through sharing their problems and discussing the solutions with colleagues and mentors.

Another piece of good news is the formation of a potential second INWES regional network - based on the INWES African Regional Network (ARN) Steering Committee, which was held successfully on 15th June by ten African countries, and organised by Uduakobong Okon, INWES director and President of OPAGESTE. INWES looks forward to the initiation of ARN at ICWES16.

Due to the changes of the law in Canada where INWES is a legal corporation, we recently had a general meeting on 26th June via Skype, where members in good standing agreed to the amendment of our bylaw based on Canadian law. Yesterday, we received the message of approval from our lawyer and INWES can now continue to pursue our activities as a Not-for-Profit Corporation in Canada. We are officially in business for another 50 years!

We must thank our Vice-President, Liette Vasseur, for all her efforts in preparing the documents and communicating with the lawyers, and the executive and board members for supporting the processes. A call for the nomination of new board members of INWES will be out soon. Sue Bird, former President and Chair of the Nomination Committee, has been working hard with the committee members in amending and preparing the forms and processes. Please keep an eye on our website and upcoming e-mails for more information.

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EVENTS

- ICWES16 and WE14**
Los Angeles, USA
23rd - 25th October 2014
Details inside

As always, I look forward to having more of you involved in INWES activities and hope that, as organisations or as individuals, you will be empowered through the INWES network. I also welcome any suggestions and ideas at any time of the year. INWES will try to support you as much as we can. I hope we can continue to energetically work together to make changes for a better world. Finally I hope we can meet many of you in ICWES16 in Los Angeles USA, and that it will continue to be unaffected by the current Ebola crisis, which is sadly impacting so many globally.

Warm regards,

Kong-Joo Lee, PhD, INWES President

The African Regional Network

INWES is very excited about the formation of its second regional network!

The documents detailing the network's policies and terms of references, in both English and French, can be found at the end of this newsletter,

INWES MEMBER NEWS

MILEAD FELLOWSHIP AWARDED TO INWES MEMBER, KADIJA SIMBORO

Kadija Simboro, an INWES member from Burkina Faso, has received a 2014 Moremi Initiative Leadership and Empowerment Development (MILEAD) Fellowship – an award which recognises Africa's most promising young women leaders. She was one of only twenty-six young leaders, selected from over 1,260 applicants through a highly competitive process, on the basis of rigorous criteria, including demonstrated leadership promise, community service accomplishments and

commitment to Africa's advancement.

The MILEAD Institute is a three-week intensive residential leadership training program designed to equip emerging African women leaders with the knowledge and cutting-edge skills required of 21st century leaders. The 2014 MILEAD Institute will be hosted by the Institute of African Studies at the University of Ghana, Legon- Accra.

It will enable the Fellows to cross-examine concepts of leadership in a broad African context, cultivate the skills and experiences women need to occupy and excel in leadership positions, and gain knowledge on cutting-edge issues critical

to African women and their communities. Additionally, experienced and accomplished women leaders who are committed to supporting and nurturing the next generation of African women leaders will mentor Fellows during the period.

Kadija Simboro is committed to encouraging girls and young women to go to school and to enter scientific and technical studies in order to participate actively in decision-making and to become leaders within science and government. She is currently developing a community project, which will be implemented upon her return from Ghana.

WES CELEBRATES 95TH BIRTHDAY WITH NATIONAL WOMEN IN ENGINEERING DAY

On the 23rd June the UK Women's Engineering Society (WES) celebrated its 95th birthday by launching National Women in Engineering Day (NWED), which was the brainchild of Dawn Bonfield, Vice President of WES and WES Office Manager. The aim of the day was to celebrate the work that women do in engineering and to showcase the great engineering careers available for girls.

WES held the "Women in Engineering: The Challenge" Conference at the Institution of Mechanical Engineering (IMechE) in London, which attracted twenty prominent speakers, such as Jenny Willott MP, Professor John Perkins CBE, Allan Cook CBE, Nina Skorupska, Meg Munn MP, and Dr Katie Perry. WES Scotland, in partnership with Equate Scotland, held a networking event at the IET in Glasgow, with four speakers from academia and industry. Equate Scotland presented WES with a 95th Birthday Cake.

Over 200 UK schools received resource packs and approximately eighty-five organisations - including universities, companies, and institutions - held events, which covered everything from editing Wikipedia to launching new engineering policies; fun activities for girls, to workshops for adults; discussion groups to network events, and even creating a video. The interest in this day was amazing, with tweets about it topping the World Cup and Wimbledon. To find out more see <http://www.nwed.org.uk/>. Next year we want to make this a Multi-National Women in Engineering Day, so put the date in your diary (23rd June 2015) and start organising events in your country now!



WES has also been running the "Magnificent Women and Their Flying Machine" Outreach Program created by Dawn Bonfield. This project has been funded by a Royal Aeronautical Society Centennial Scholarship, and an Ingenious Grant from the Royal Academy of Engineering. WES has created resources for schools, and other organizations, based on the building of aircraft wings, which replicates work done by women during World War I. This activity has now been delivered at several events, including the Royal International Air Tattoo at Fairford, Farnborough Air Show, and Big Bang Eastern.

Finally WES made four pledges to the YourLife campaign, which aims to boost the number of girls' participation in Science, Technology, Engineering and Maths (STEM) at school and beyond. WES is one of almost fifty organisations who have joined this UK Government initiative.

Dr Carol Marsh, President of WES
<http://www.wes.org.uk/>



WES Presidents, past and present

SWISS ENGINEERING BOOSTS INNOVATION THROUGH INTELLECTUAL PROPERTY MANAGEMENT

For engineers the design, application, and defense of patents is vital. In response to this need, Swiss Engineering has recently developed a range of services, including patent searches, patent design, patent filing, patent infringement analysis, representation in court proceedings, and negotiating license agreements. This high quality legal advice for members in Switzerland is expanding to include the international patent system and intellectual property (IP) as a whole.

The intellectual property (IP) concept refers to creations of our human minds for which exclusive rights are recognized under specific laws in each country of the world. Most countries have intellectual property law, which grants innovators, inventors and enterprises with certain exclusive rights to a variety of intangible assets, such as musical, literary, and artistic works; discoveries and inventions; and words, phrases, symbols, and designs. Common types of intellectual property rights include copyright, trademarks, patents, industrial design rights, trade dress, and (in some jurisdictions) trade secrets.

In the context of present globalized and liberal economy, free competition is becoming borderless. At the same time, intellectual property is creating new frontiers. Industrial property is the term given to protective rights conferring an exclusive monopoly on the exploitation of particular technical solutions to technical problems, and is obtained upon completion of filing and registration formalities. Falling into this category are patents for inventions intended to protect innovations of a technical nature, designs and models aimed at protecting inventions of an aesthetic nature, plant variety rights for protecting creations in the agricultural domain (e.g. new types of roses, new maize hybrids, etc.), and also trademark law, which reserves for the owner of the trademark the designation under which goods and services are marketed.

The principal international conventions allowing freedom from the principle of strict territoriality of rights are those covering the European Patent, the future Community Patent (European Patent applying to the European Union), the Eurasian Patent, the Francophone Africa Patent, the Anglophone Africa Patent, and the Gulf States Patent.

The protection period afforded is highly variable from one country to another and is generally between fifteen and twenty-five years - usually in the form of shorter, renewable periods.

Two international conventions provide freedom from the strict principle of territoriality. The Hague Agreement confers the "international design" title, covering a limited number of countries, essentially in Europe. This Agreement was recently revised by the Geneva Convention – not yet in force - that is expected to increase the number of member countries. The other international convention is that covering Community Designs for European Union Member States.



A trademark is not a property right covering an object as such but the distinctive sign attributed to it, in order to distinguish it in commerce from the goods and services of the competition. A trademark therefore protects the designation of the goods and, in most countries, services as well. The term of protection is generally ten years and renewable indefinitely.

In the field of trademarks there are also two international conventions. The Madrid Convention provides two special legal systems known as the Madrid Agreement and the Madrid Protocol, which cover the "International" trade mark. Under their provisions, in order to have access to them, an applicant must have a registration or registration application in his country of origin. The other convention is that covering the Community Trade Mark, which covers all European Union countries. A third convention relates to Francophone Africa.

Today, there is no useful technological innovation without a patent strategy. The Patent system encourages innovation by offering a commercial advantage to inventors. Patents allow ownership of a technology, as well as monopoly rights on a technical concept. Crucially in a knowledge society, as the economy becomes more intangible, the patent economy represents a more significant part of value creation. Since a patentable invention is a technical solution to a technical problem, most patent system stakeholders are engineers, who are also the key legal actors of the patent system.

Managing patents is unavoidable for the success of innovation. In this light, I believe that the patent system should be considered as a means for engineers to play a key strategic role within innovation – a way for them to not only resolve technical issues, but also engage with their commitment to sustainable development and social responsibility.

More information can be found at www.swissengineering.ch

Yvette Ramos

Head of a Geneva-based Intellectual Property Law Firm

President of Swiss Engineering, Geneva and Romandie chapters, Switzerland

**MARLENE KANGA,
INWES BOARD MEMBER,
RECEIVES AUSTRALIAN
HONOUR**

INWES Board member, Dr. Marlene Kanga, received an Australian Honour and was made a Member (AM) of the General Division of the Order of Australia on 9th June, when Australia participated in the official celebrations for the birthday of Australian Head of State, Queen Elizabeth II. The Order of Australia is the pre-eminent way in which Australians recognise the achievements and service of their fellow citizens.

The Member of the Order of Australia is awarded for outstanding service in a particular locality or field of activity, or to a particular group. The award cited her “significant service to engineering, particularly through leadership roles in professional organisations, and as a role model”, and is significant recognition of her work to promote the role of women in engineering, in Australia and internationally.

In addition to this honour, Dr. Kanga was also recently awarded the 2014 Engineer of the Year award by the Federation of

A Special General Meeting (SGM) was held at 8:00am Eastern Time on June 26th 2014 via Skype, attended by members in good standing. The purpose of the meeting was to vote on the new by-law and documents, which were required for continuance of INWES as a not-for-profit corporation in Canada from October 2014. The INWES Special Meeting of the Board of Directors preceded the SGM.

In October 2011, Canada enacted its new Canada Not-for-Profit Corporations Act (CNCA) requiring that all not-for-profit and charitable organisations file a continuance of their organisation under the new Act. The Act is designed to improve transparency and uniformity across organisations, particularly as regards to aspects such as fiscal accountability. With the approval of members at the SGM, the lawyers have filed the documents prepared by Liette Vasseur, Vice President of INWES, to the Canadian government on behalf of INWES. This documentation is now approved - allowing INWES to pursue its activities as a not-for-profit organisation.

Engineering Institutions in the Asia Pacific (FEIAP). She is the first female engineer in Asia to receive this award. Dr. Kanga is also Chair of the 2019 World Engineering Conference & Convention, which will be hosted by Engineers Australia in Melbourne, Australia. This event will be a key part of Engineers Australia’s centenary celebrations.

**INWES VICE-PRESIDENT
LIETTE VASSEUR FILLS
NEW UNESCO CHAIR
IN COMMUNITY
SUSTAINABILITY**

Brock University has been awarded a UNESCO Chair that will help it to build capacity in sustainability science research, and advance its practical transfer to society. The chair, which will operate under the theme *Community Sustainability: From Local to Global*, is one of more than 811 UNESCO Chairs worldwide - and part of a network of eighteen in Canada, which are facilitated by the Canadian Commission for UNESCO.

The Brock chair is the only one in Canada located at an institution situated within a UNESCO Biosphere Reserve. The main focus of the chair is to strengthen

**THE 4TH ASIA PACIFIC NATION
NETWORK MEETING HELD IN SEOUL**

The International Network of Women Engineers and Scientists (INWES) and the Association Korean Woman Scientists and Engineers (KWSE) jointly hosted the 4th INWES Asia Pacific Network (APNN) meeting at Ewha University, Seoul, Korea in late July (29th July to 1st August 2014). APNN is the first regional network of INWES, with a focus on the Asia-Pacific region, enabling discussion about common issues and projects, and closer collaboration. The establishment of the first regional network was proposed by KWSE in 2005 and was launched in 2011 in Adelaide, Australia. The second APNN was held in Kuala Lumpur, Malaysia in 2012, and the third in Taipei, Taiwan in 2013.

The theme of this year's meeting was “Leadership, Harmony, and Beyond”, and delegates and speakers shared our experiences and our passion for greater participation of women scientists and engineers in our respective countries. As the organiser of the first APNN meeting in 2011, I was delighted to welcome the growing number of new entrants to INWES and the APNN family including WISE Nepal and WISE Sri Lanka, whose leaders attended for the first time.

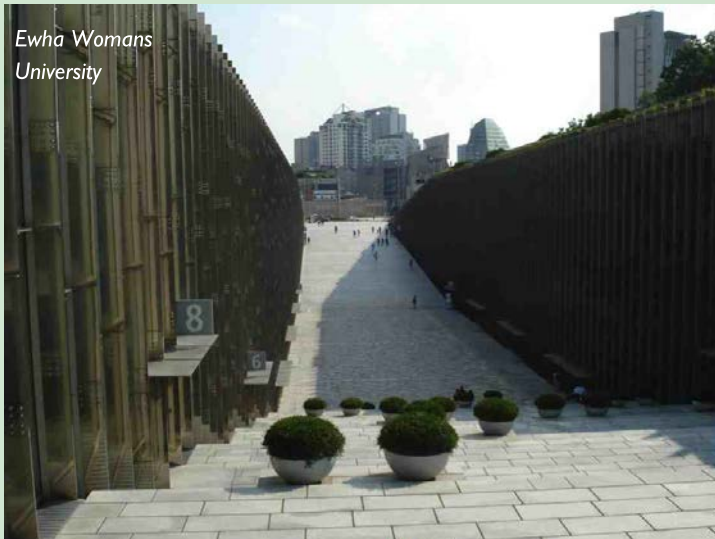
I am also delighted that WSTEM, Mongolia, which was formed by Dr. Ariunbolor Purvee after she attended the first APNN in Adelaide, has now progressed well and will be hosting the 5th APNN in Mongolia in 2015. Clearly the seed that was planted in 2011 is now growing and we hope will become a strong and resilient tree with many branches into every nation in Asia and the Pacific.

In Korea, eleven nations presented their country reports on their projects and progress in promoting women engineers and scientists including: Australia, India, Japan, Korea, Malaysia, Mongolia, Nepal, Pakistan, Sri Lanka, Taiwan and Vietnam.



The MAPWiST Conference was held in conjunction with APNN and provided an opportunity to discuss gender policy as well as providing opportunities for young women scientists and engineers to present their research as papers or posters in an international forum. The Young Women Scientists (YWS) Camp provided an opportunity for early stage researchers from more than twenty countries to meet and form networks, which will no doubt provide invaluable as their careers develop.

The location of the APNN and MAPWiST meeting within the Ewha Convention Centre (ECC) at the University Campus was a celebration of the achievements of women. The unusual design of the building, which was partly underground with a garden as its



Ewha Women's University

roof, was designed by Dominique Perrault and demonstrates the creativity and capabilities of women everywhere.

As a delegate and speaker, I had a most enjoyable and informative few days in Seoul. I would like to thank KWSE and in particular, Dr. Seong Ok Han, President KWSE and Chair for APNN and MAPWiST, Dr. Hyang Sook Yoo, Chairperson APNN Organising Committee, Dr Hye-On Yoon, Chair MAPWiST Organising Committee and the many volunteers from KWSE and Ewha University who worked very hard to make the conference a great success.

The INWES Executive Board also provided significant leadership - especially INWES President Prof. Kong Joo Lee, INWES President Elect, Ms. Monique Moutaud, INWES Secretary General Dr. Jung Sun Kim. I would also like to thank the sponsors of the conference who facilitated travel for many delegates from across Asia. I would also like to celebrate and thank the many leaders from Asia who spoke so eloquently on their projects to support women engineers and scientists and who inspired and energised me to continue my work.

I am looking forward to the future growth and achievements of APNN and to the next APNN meeting in Mongolia in 2015.

*Dr. Marlene Kanga AM FIEAust FIPENZ
National Committee for Women in Engineering
National President Engineers Australia 2013*

initiatives in sustainable agriculture and community-based natural resource management in Canada, China, and other countries (such as Ecuador), in order to develop concrete actions and best practices transferable to various countries around the world.

The first person to fill this new role is biologist Liette Vasseur, a member of Brock's Environmental Sustainability Research Centre (ESRC) and Vice-President of the International Network of Women Engineers and Scientists. "I am excited to be able to be part of a large network of UNESCO Chairs who all work in helping their communities and countries

around the world in sustaining the mission of UNESCO in sustainable development, gender equality and education for all," said Vasseur.

KWSE HANDS OVER APNN CHAIR TO INWES-JAPAN

KWSE (The Association of Korean Woman Scientists and Engineers) handed over the APNN Chair to INWES-Japan at the 2014 APNN Meeting, held at Ewha Woman's University on 30th July 2014. The announcement was made at the General Meeting of members presided by Hyang Sook Yoo, Chairperson of APNN

from 2011 to 2014.

An election was held electronically in December 2013, when INWES-Japan was elected as the second Chair and TWiST of Taiwan as Chair-elect. Kayoko Sugahara, President of INWES-Japan, took over the Chairship and greeted the members of APNN, and acknowledged the efforts of KWSE. She also announced the venue for the 2015 APNN which will be in Mongolia, hosted by WSTEM.

APNN (the Asia and Pacific Nation Network), which is the first regional network of INWES, was launched at ICWES15 in Adelaide, Australia, in 2011.

Its establishment was proposed by KWSE in 2005 at ICWES13, after which workshops and meetings in Lille in 2008 (at ICWES14) and Busan in 2009 (at the INWES Regional Meeting) were held for its



INWES board members at the APNN



Japanese delegates at the APNN

WITED, YABATECH, CELEBRATES RETIREES AND OFFERS CANCER SCREENING

On Wednesday 11th December, 2013, Women in Technical Education and Employment (WITED) celebrated the contributions of women who served in the association before they retired from the service of Yaba College of Technology, between 1998 and 2013. At the event there was a lecture on cervical cancer awareness and more than one hundred women were screened for breast and cervical cancer. According to Dr Oyeyemi, statistics shows that cervical cancer is the number one cause of maternal mortality in Nigeria and the African continent. Early detection, he said is the major preventive strategy for this deadly disease, which can result from the common sexually transmitted human papillomavirus (HPV).

The programme aimed to show appreciation for those who have contributed in one way or the other to the vision of WITED, and to encourage other women to work with the association to

improve outcomes for girls in education and women in employment. WITED also used the opportunity to contribute to the war against cancer in Nigeria, through the early screening exercise.

WITED is an association of female academic staff, working within polytechnics. WITED is a project conceptualized by the Commonwealth Association of Polytechnics in Africa (CAPA), in reaction to the observed under-representation of women in Science, Technology, Engineering and Mathematics (STEM). It aims to enhance the participation of women and girls in STEM at all levels. WITED Nigeria was inaugurated by the Federal Government in 1997.

The seventeen women honoured at the event included the first female Rector of Yaba College of Technology - Chief (Mrs) F. O. Odugbesan, who served as Rector between 1993 and 2001, and who also become the first Regional Coordinator of Research for WITED in West Africa.



Chief (Mrs) F.O. Odugbesan and two other retirees at the WITED program



Dr (Mrs) M.K. Ladipo

The retirees were given awards in recognition of their dedicated services to WITED and its vision. According to the current Rector and WITED Chairperson, Dr (Mrs) M. K. Ladipo, the girl child has equal privilege with their male counterpart in the annual enrollment of students in the institution. She promised that women academics will enjoy continued support from WITED under her administration.

Ofodile L. N, Doherty V. F., Sokoya A. A. and Mafimidiwo Alice - Lagos, Nigeria

preparation.

The activities of KWSE as first Chair include the publishing of annual country reports (for the years 2011, 2012, 2013 and 2014); preparation of the annual general meetings; establishing a Policy Manual in connection with INWES, which was approved at the general meeting at the 2013 APNN in Taiwan; and initiating the Young Women Scientists' Camp which was held last year and this year, and which was attended by forty and sixty young women from APNN countries, respectively.

The current membership of APNN includes one university, twelve national organizations, and two individual members: Dongseo University (Korea), Engineers Australia, IEM (Malaysia), INWES-Japan IPENZ (New Zealand), KWSE (Korea), TWiST (Taiwan), VAFIW (Vietnam), WESTIP (Pakistan), WISE-India, WISE-Sri Lanka, WISE-Nepal, WSTEM (Mongolia), Marlene Kanga, and Rose Ganendra.

FIRST SCIENTIST PRESIDENT INAUGURATED AT EWHA WOMANS UNIVERSITY

Dr. Kyung Hee Choi, member of KWSE and Professor at the Department of Science Education, was inaugurated as 15th President of Ewha Womans University on July 29th, 2014. Her four-year term starts on August 1st, 2014. Ewha Womans University was the first modern educational institute for Korean women and opened in 1886. It was accredited as a four-year University in 1945. Ewha has played a major role as Korea's top women's

university, serving as a global hub for women's education. Dr. Choi is the first Ewha President in the field of science and technology.

She delivered her first congratulatory speech in this role at the 2014 APNN & MAPWiST (Meeting of Asia & Pacific Women in Science and Technology) on July 31st. Kong-Joo Lee, INWES president, is a professor at the same institution and served as Dean of the Graduate School until July 2014.



Dr Kyung Hee Choi

AFSTECH SENEGAL PRESENTS PAPER AT SENEGALESE NATIONAL ASSEMBLY

AFSTech Senegal (Association des Femmes pour la Promotion des Sciences et de la Technologie au Sénégal - Association of Women for the Promotion of Science and Technology in Senegal) shared a paper at the workshop on "Governance of Science, Technology and Innovation", which was held in Dakar on 24th and 25th February 2014, at the Senegalese National Assembly.

Organized by the African Observatory for Science, Technology and Innovation (AOSTI) and UNESCO-Paris, in partnership with the Senegalese Ministry of Higher Education and Research (MESR), the workshop was aimed at the Parliamentary Technical Commission for Education, Youth and Sport, and provided an opportunity to discuss Science, Technology and Innovation (STI), and particularly the good governance of STI.

AFSTech Senegal was asked to talk about "Governance of STI: the role of Parliament and the role of women." AOSTI and UNESCO talked more broadly about the important role of science, technology and innovation in the pursuit of sustainable development.

This discussion forum put us in contact with key actors in the promotion of science and technology, including the Education Commission of the Economic Social and Environmental Council, as well as parliamentarians. AFSTech / Senegal has made numerous contacts, in particular with the Head of Science at UNESCO-Paris and the newly assigned Head of Science at the UNESCO Regional Office in Dakar (known by the French acronym of BREDA), who is desperately looking for associations of women scientists.

A meeting has been arranged to discuss the activities we have put in place for 2014, with the aim of strengthening our partnership

with UNESCO on a national and international level. Meetings of this kind contribute to the visibility and promotion of associations working for the development of science and technology in Africa and the world.

The abstract of the paper

Science, Technology, and Innovation (STI) is a critical development factor that allows society to solve various problems related to people's lives. It is relevant in diverse fields ranging from food, health, education, and training; to water, energy and climate management; through to medicine, communication and administration. The list is not exhaustive. STI governs everyday life and is becoming an increasingly fundamental element in the process of sustainable human development. A country that masters engineering becomes capable of providing a level of socio-economic development that meets the needs of the community.

To achieve this, political will is needed. The executive and legislative branches must work together to define and implement relevant policies, projects and innovative programs. They must work with partners to identify needs, and provide the opportunity for stakeholders to discuss the issue of governance in STI. This paper attempts to address the issue by introducing the dimension of gender more specifically at the parliamentary level.

It covers five points:

- I - Definition and concept of governance
- II - The current situation in Senegal and in the world
- III - The new international dynamics
- IV - The role of parliament and parliamentarians
- V - The role of women and the women's movement.

Keywords: Education, Governance, Engineering, Parliament, Women.

AFSTECH SENEGAL TIMELINE

Initiating Committee: **1999 to 2001**

Creation: **13th June 2001**

Official recognition: **19th October 2001**

Partnership with the Senegal chapter of FAWE (Forum for African Women Educationalists): **September 2001**

Affiliation with RAFESI (Réseau Africain des Femmes Scientifiques et Ingénieurs - African Network of Women Scientists and Engineers): **2003**

Membership of the CCIEF (Cadre de Coordination des Interventions sur l'Education des Filles - Coordination Unit for Girls' Education Interventions): **2008**

Membership of INWES: **2009**

Creation of local INWES chapter: **2009**

Attendance at the INWES Africa conference, Abidjan (RCI): **23rd to 25th April 2009**

10th Birthday and tribute to the late Rose Dieng Kuntz (1956 – 30th June 2008), a Senegalese computer scientist specialising in artificial intelligence: **23rd June 2010**

Creation of the first regional office in Thiès: **23rd June 2010**

Creation of three regional offices (Louga, Matam and St. Louis): **30th June 2011**

Attendance at the 15th INWES Conference, Adelaide (Australia): **19th to 22nd July 2011**

Representative of AFSTech Senegal (Rufina Dabo) becomes member of the Board of Directors of INWES: **21st July 2011**

Attendance at the regional conference, New Delhi (India): **12th to 13th October 2012**

SWE14

The Annual Conference
for Women Engineers

+ ICWES 16

ICWES16 CONFERENCE

INWES members are invited to attend ICWES16 which is hosted by the Society of Women Engineers USA (SWE) and will be held at the Los Angeles Convention centre from 23rd to the 25th October 2014 at the same time as the annual SWE Conference – WE14.

ACCOMODATION DURING ICWES16:

Conference staff have negotiated great rates with area hotels near the Los Angeles Convention Centre. Rooms always go fast so please begin make housing arrangements at your earliest convenience. SWE is aware that the hotel costs for attendance at ICWES16+WE14 may be a hardship for many, so we would like to offer a roommate matching service.

If you would like to share a hotel room, please contact icwes16@swe.org and provide any specific preference (like non-smoking or nationality) and they will put you on a list and provide contact information to matched interested participants so

you can email each other and work out your hotel reservations together.

SWE will not be making hotel reservations for you, so it's important that you contact each other to split the cost of the room.

For any concerns or questions, please contact: icwes16@swe.org.

For Conference Information and Programme:

Please visit <http://we14.swe.org/about-we14>

ICWES16 CONFERENCE REGISTRATION

It's important that that you register for the conference before the early bird deadline on Friday, September 28.

Online registration is now available.

All ICWES16 members receive a 100% discount using the promotional code ICWES16.

When registering, please note that your registration type is ICWES16.

Please contact SWE if you have issues registering using the promotional code.



ICWES16 CONFERENCE SCHEDULE

PRE-CONFERENCE

INWES 2012-2014 Board of Directors Meeting

Tuesday 21st October, 8:00 AM - 5:00 PM, Westin Hotel

Joint INWES Board of Directors and SWE Board of Directors Dinner

Tuesday 21st October, Details TBC

INWES 2012-2014 Board of Directors Meeting

Wednesday 22nd October, 8:00 AM - 12:00 PM, Westin Hotel

INWES African Regional Network Meeting

Wednesday 22nd October, 2:00 PM- 4:00 PM, Venue TBC

THURSDAY 23RD OCTOBER

INWES Education and Research Institute Board of Directors Meeting

12:00PM to 1:30 PM, LACC, Room 401

The INWES Education and Research Institute (ERI), the charity and not-for-profit entity associated with INWES, will be holding a short meeting during ICWES16. INWES members are welcome to join us if they would like meet the Directors and learn about what the ERI has been doing the past 3 years. INWES ERI Annual Reports for 2011, 2012, and 2013 will be available. Bring your own lunch!

ICWES Poster Sessions and International Lounge

EVERYDAY 10:00 AM - 4:00 PM, LACC, 403

Please stop by the International Lounge to network with other international participants, grab something to drink, view the posters from international participants, and learn how to make the most of your WEI4+ICWES16 experience. There will be a Help Desk in the lounge where SWE volunteers will be able to answer your questions about the conference.

Track 1: Innovations, research and achievements in the various fields of engineering, science and technology

10:00 AM – 11:40 AM, LACC, 404B - Lightning Talks
1:30 PM - 3:10 PM, LACC, 404B - Lightning Talks
3:30 PM – 5:00 PM, LACC, 404B - Lightning Talks

A day of lightening talks about exciting innovations and new discoveries worldwide - from nanotechnology and napier glass clones, to the implications of Mongolian traditional medicine.

Track 2: New ideas and solutions to contemporary problems including climate change, water and resource management,

renewable energy, and sustainability - Lightning Talks

10:00 AM – 11:40 AM, LACC, 404A
1:30 PM - 3:10 PM, LACC, 404A
3:20 PM – 5:00 PM, LACC, 404A

A day of lightening talks, from women confronting global challenges. Find out how fellow women engineers and scientists are managing malaria in Kenya, helping fish farmers in Nigeria, and improving energy in Peru.

Track 3: Attracting, developing, promoting, and retaining women engineers and scientists - Lightning Talks, Lectures and Panels

10:00 AM – 12:00 PM, LACC, 402A - Lectures and Panels
1:30 PM – 5:00 PM, LACC, 402A - Lectures
1:30 PM – 3:10 PM, LACC, 402B - Lightning Talks
3:20 PM – 5:00 PM, LACC, 402B - Lightning Talks

A day of lightening talks, lectures and panels on the issues facing women engineers and scientists around the world. Topics include office politics in Nigeria, the Pakistani Glass Ceiling, and grassroots strategies.

FRIDAY 24TH OCTOBER

INWES: Connecting Women in Engineering Program Leaders Internationally

10:00 AM - 12:00 PM, LACC – 411

Build international connections to Women in Engineering Program Leaders, participate in discussions around regional similarities and differences, and share program learnings and initiatives. By participating in this meeting we can assist each other to produce sustainable programs and grow engineering industry female participation rates as a whole worldwide.

INWES Annual General Meeting

For INWES Delegates & INWES Members
2:00 PM - 4:00 PM, LACC - 411

Track 1: Innovations, research and achievements in the various fields of engineering, science and technology

10:00 AM – 12:00 PM, LACC, 402A – Lectures
1:30 PM – 3:10 PM, LACC, 404B – Lightning Talks

An opportunity to find out about engineering and science developments worldwide; topics include everything from the effects of HIV/AIDS on the road construction sector to the philosophical ramifications of biotechnology

Track 2: New ideas and solutions to contemporary problems including climate change, water and resource management, renewable energy, and sustainability

10:00 AM – 12:00 PM, LACC, 402B – Lectures
1:30 PM – 5:00 PM, LACC, 402A – Lectures
1:30 PM – 5:00 PM, LACC, 402B – Lectures

10:00 AM – 12:00 PM, LACC, 404A - Lightning Talks
1:30 PM – 3:10 PM, LACC, 404A – Lightning Talks
3:20 PM – 5:00 PM, LACC, 404A – Lightning Talks

A wide array of lectures and lightning talks cover a diversity of topics. Find out about biomimicry, rebuilding war-torn Liberia through engineering, homegrown technology development in Africa, resolving water resource conflicts, the development of biodegradable films, and the importance of banana waste.

Track 3: Attracting, developing, promoting and retaining women engineers and scientists

10:00 AM – 12:00 PM, LACC, 404B – Lectures
3:20 PM – 5:00 PM, LACC, 404B – Lightning talks

Two lectures with a historical slant – one on the history of INWES, and the other about passionate women in science and engineering (then and now) - help to put ICWES16 in a broader historical context. The lightning talks explore contemporary issues - women's roles in STEM workplaces globally, from Japan to Nigeria, and ways we can move forward in our professional development.

SATURDAY 25TH OCTOBER

INWES 2014-2016 Board of Directors Meeting

8:00 AM - 12:00 PM, Westin Hotel

Track 1: Innovations, research, and achievements in the

various fields of engineering, science and technology

10:00 AM – 12:00 PM, LACC, 402A - Lectures
2:45 PM – 3:45 PM, LACC, 404B – Lecture

Two lectures in the morning cover programmable logic devices and intellectual property rights, while in the afternoon a third lecture looks at systems thinking and requirements approaches in innovation.

Track 2: New ideas and solutions to contemporary problems including climate change, water and resource management, renewable energy, and sustainability

10:00 AM – 12:00 PM, LACC, 402B – Lectures
1:30 PM – 2:30 PM, LACC, 404B – Lecture

Two very different lectures in the morning discuss issues related to traffic in India – one looking at traffic congestion detection on Indian roads, and another looking at driver behaviour and psychophysical characteristics in Indian traffic conditions. In the afternoon we get a Solar Electricity 101!

Track 3: Attracting, developing, promoting, and retaining women engineers and scientists

10:00 AM – 10:55 AM, LACC, 404A – Lectures
10:00 AM – 12:00 PM, LACC, 404B – Lectures/Panels
1:30 PM – 3:45 PM, LACC, 402A - Lectures
1:30 PM – 3:45 PM, LACC, 402B - Lectures

11:00 AM – 12:00 PM, LACC, 404A - Lightning Talks
1:30 PM – 3:10 PM, LACC, 404A - - Lightning Talks
1:30 PM – 3:10 PM, LACC, 404A - - Lightning Talks

On Saturday there will be a range of lectures and lightning talks looking at the many issues affecting women in STEM around the world and that strategies we develop to confront them. Topics include diversity policy, the connections between gender issues and environmental sustainability, and entrepreneurship. Different talks and lectures will explore how we can encourage girls to achieve in STEM, and the implications of the strategies we use. Others will focus on mentoring fellow professionals and supporting returners to STEM.

**A GLOBAL
EXCHANGE
FOR CHANGE**

[October 23 - 25, 2014] Los Angeles, California

ABOUT INWES

I. Executive Officers:

President: Kong-Joo Lee (South Korea)
President-Elect: Monique Moutaud (France)
Past President: Sue Bird (UK)
Vice President: Liette Vasseur (Canada)
Vice President: Sangeeta Wij (India)
Secretary General: Jung Sun Kim (South Korea)
Treasurer: Joan Graf (USA)

II. Other Board members:

Nageen Ainuddin (WESTIP, Pakistan)
Margaret Ajibode (WES, UK)
Marlene Kanga (Engineers Australia, Australia)
Uduakobong Okon (APAGESTE, Nigeria)
Ewa Okon-Horodynska (Individual, Poland)
Rufina Dabo Sarr (AFSTech, Senegal)
Pamela Wain (Individual, UK)
Roseni Dearden (Individual, UK)
Kayoko Sugahara (INWES Japan, Japan)

III. Committees and Chairs:

Advocacy Committee Chair: Rufina Dabo (Senegal)
By-Laws Committee Chair: Liette Vasseur (Canada)
Communications & Web Portal Committee Chair: Roseni Dearden (UK)
Conference Committee Chair: Sangeeta Wij (India)
Finance Committee Chair: Roseni Dearden (UK)
Fund Development Committee Chair: Monique Moutaud (France)
Membership Committee Chair: Kayoko Sugahara (Japan)
Nominating Committee Chair: Sue Bird (UK)
Programs Committee co-Chairs: Liette Vasseur (Canada), Margaret Ajibode (UK)

Calling all young women engineers and scientists!

In the next issue we want to focus on young women engineers and scientists in the INWES network. So if you have any thoughts, experiences, or photos you'd like to share, please get in touch.

INWES SPONSORS

Platinum Sponsors: Canadian International Development Agency, Samsung

Gold Sponsors: KWSE **Silver Sponsors:** SNC LAVALIN, SWE, AAAS, WES UK

Past Sponsors: Canadian International Development Agency, IDRC, Nortel, IBM

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INWES MEMBER NEWSLETTER

Deadline for Issue No. 18: 1st December

Contact: Roseni Dearden, Communications & Newsletter Committee

Email: inwes.secretary@gmail.com OR inwes@rosenidearden.net

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INWES in social media:

www.facebook.com/groups/inwes/

<http://www.facebook.com/pages/INWES/122144834530387?ref=hl>

Twitter: @INWES_Engineers



POLICIES OF THE INWES AFRICA REGIONAL NETWORK (ARN)

Presented by Dr Uduakobong A. Okon (Eng.)

INWES Director, Africa and President of OPAGESTE, Nigeria

For the INWES ARN Steering Committee.

June 2014

1. Definitions

ARN: INWES Africa Regional Network.

INWES: International Network of Women Engineers and Scientists

ARC: INWES Africa Regional Coordination - consists of Member Country Representative(s)

Aims: To create a common operational platform for African women organizations, institutions, individuals and girls in STEM for development and sustainability STEM in Africa.

2. Objectives

The objectives of ARN are here listed though not delimited to the following;

- i. To promote the aims and objectives of the mother organisation, INWES.
- ii. To increase INWES's outreach in Africa.
- iii. To promote the role and the status of organizations for women in STEM.
- iv. To enhance the progress of girls and women in STEM Education.
- v. To provide a forum for exchange of professional experiences among women and organizations in STEM in Africa.
- vi. To facilitate the development of, and cooperation in, common projects within the Africa Regional Network.
- vii. To assist women who want to set up their own STEM associations.
- viii. To enhance cultural exchange amongst women in STEM from international communities.
- ix. To promote the professional development of women in STEM careers.

3. Organization

The Network will include all INWES members who belong to the region of Africa. A Chair Organization will be elected for a three-

year term. The Chair Organization will appoint a Chairperson and Secretary General of ARN, who will administer the Network in cooperation with the Africa Regional Coordination (ARC), which comprises countries/and or organizational representative(s) (at least one person per country) in Africa. The chair shall direct and communicate with the regional coordination of ARN. The executives of ARN shall include the Chair, the Vice Chair(s) and Secretary General.

4. Annual Meetings

An annual ARN meeting will be held. The Meeting may be held in conjunction with a conference in the region, or hosted by an organization(s). A call for proposals to host the annual ARN meeting will be sent to members by the Regional coordination, no later than a month before the previous year's Meeting is held. However, in the year that an ICWES is held, the Meeting will be held at the venue of ICWES. Other activities or programs may be held in addition to the Meeting as proposed by the Chair Organization and/ or Regional Coordination of ARN.

5. Activities of ARN

Activities of ARN shall include:

- Regional conferences
- Outreach Programmes
- General Meetings (Virtual and Physical)
- Regional coordination Meetings (Virtual and Physical)
- ICWES conferences.

6. Responsibilities of ARN Meeting Organizers

The responsibilities of the Meeting organizers/host and the African Regional Coordination are outlined as follows;

The ARN meeting may be held in conjunction with the local conference hosted by the organizers. The meeting should be for one whole day and organised by a group of interested individuals, organisations, or corporations associated with ARN/INWES.

The organisers of the ARN meetings will:

- Take responsibility for the organisation at the location of the meeting.
- Develop a budget for the ARN meeting in cooperation with the ARN Finance and Fundraising Committee.
- Approach regional and international organisations for funding in

cooperation with the ARN Finance and Fundraising Committee.

- Publicise the event in the various country members of Regional coordination.
- Be responsible for all local expenses for the participants from the region, either by charging a conference fee, and/or by fundraising to support them.
- Be responsible for all costs involved in running the Meeting, for example; publications, venue, equipment, meeting rooms, speakers, refreshments, etc.
- Support the ARN country/organization in publishing country reports as deemed necessary by ARN

7. Responsibilities of INWES and the chair organization

The INWES Board of Directors and ARN Chair Organization will:

- Give advice on sponsorship and fundraising strategies, and publicise the APNN through the INWES and ARN Chair Organization website.
- INWES may supply a letter of support for the Conference Organisers to use in their fundraising activities.
- Supply a list of associations, corporations and individuals who they may wish to approach as delegates, if they accept this possibility.
- Act as an official sponsor of the ARN Meeting and related Meetings.
- Encourage the involvement of its Corporate Members.
- Participate in the ARN Annual General Meeting (AGM).

8. Election of Chair Organization

The Chair Organization (and Chair-elect organization) will be elected every three years at the ARN general meeting at least one year before the term commences. The former Chair Organization will put up a call for nomination to all members at least one month before the election.

The criteria for selection of Chair Organization will be as follows: The chair organization must;

- Be an INWES member of good standing.
- Present a proposal showing their achievements and contributions in assisting young girls and women in pursuing careers in STEM (Science, Technology, Engineering and Mathematics), encouraging girls and young women in STEM studies; and enhancing the academic climate for women in STEM studies.
- Promote women with STEM degrees.

iv. Specify the number of ARN Meetings and ICWES conferences attended (if any), and position held (if any).

v. Be actively involved in ARN and INWES.

vi. Demonstrate achievements in the pursuit of the ARN network and INWES network at the community level.

vii. Provide a candidate's written statement of willingness to serve as Chair of the ARN.

9. By-laws

Members are bound by the by-laws of INWES.

10. Membership

INWES members who are nationals of African Nations are automatically members of the ARN. They can be organizational members, corporate members, individual members, university/institutional members or honorary members of INWES. ARN is subject to membership fee payment according to Section 9 of the INWES by-laws.

11. Annual General Meeting

An annual General Meeting (AGM) will be held every year during the Meeting. Members in person or represented by proxy representing not less than 40% of the Organizational Members constitute a quorum at any meeting of Members. No business shall be transacted at any meeting unless the requisite quorum is present at the commencement of such business.

In all meetings of members, every question shall be decided by a show of hands, unless a poll is required by the Chairperson, or requested by any member; or, if a member is participating by teleconference or by electronic means, the member shall indicate her decision verbally or by electronic transmission. Whenever a vote by show of hands has been taken upon a question, unless a poll is requested, a declaration by the Chairperson that a resolution has been carried or lost by a particular majority, and an entry to that effect in the minutes of the Network is conclusive evidence of the fact without proof of the number or proportion of votes recorded in favour of or against the motion.

This document is adopted from the INWES Secretariat with modifications for the INWES Africa Regional Network (ARN) by Dr Uduakobong A. Okon (Eng.), INWES Director Africa and President of OPAGESTE, Nigeria.

This version of the document has been edited for the newsletter.

TERMS OF REFERENCE FOR ARN COMMITTEES

Presented by Dr Uduakobong A. Okon (Eng.)

INWES Director, Africa and President of OPAGESTE, Nigeria

For the INWES ARN Steering Committee.

June 2014

Definitions

ARN: INWES Africa Regional Network.

INWES: International Network of Women Engineers and Scientists

ARC: INWES Africa Regional Coordination - consists of Member Country Representative(s)

The Terms of Reference for the INWES Africa Regional Network (ARN) committees are as follows;

A. Finance and Fundraising Committee:

1. The Finance and Fundraising Committee is a standing committee chaired by the treasurer, primarily to provide review and guidance on financial matters, as well as to identify funding/sponsorship sources and follow up fundraising and development processes for the organization.
2. The committee fully engages in an annual/triennial budgeting process that integrates the strategic plan, objectives, and initiatives of the organization, in cooperation with the administrative leader (Chair) and/or INWES Africa Regional Coordination (ARC).
3. Ensures policies and procedures for financial transactions of ARN are documented, and approved financial policies and procedures are being followed.
4. Oversees internal controls, independent audit, and financial analysis for the organization, and develops a simple and understandable report for presentation to the full ARC.

B. Advocacy and Partnership Committee:

1. The Advocacy and Partnership Committee develops and implements a global advocacy strategy for legislative processes, as well as building and sustaining valued partnerships between ARN and prominent international organizations (e.g. UNESCO) while demonstrating ARN interest, in cooperation with the administrative leader (Chair) and/or the Executive committee of ARN.
2. The committee projects a good image of ARN, as well as

supporting her partners and national affiliates/organisations engaged in specific advocacy initiatives, to ensure maximum impact, and that desired goals and objectives are met.

C. Web Portal and Communication

Sub-committee :

1. The committee guides the development of the ARN web site and supports the webmaster to ensure that the website content contains the highest quality and most up-to-date relevant information and communicates with a wide audience about INWES Africa Regional Network. The committee advises the webmaster on ARN priorities.
2. The committee oversees the processing and production of ARN publications including; newsletters, magazines, journals and country reports - as shall be decided by the ARC.
3. The committee defines and regularly reviews the web site against webmaster policies relating to web page content (such as policies regarding use of copyrighted material, reliability of content, accessibility of content and advertising) and reports to the full ARC on annual basis.

D. Programme and Project committee:

1. The committee receives and collects programme proposals and develops the criteria for proposal consideration, based on ARN policies and in cooperation with ARN executives committee and or ARC.
2. The committee oversees ARN's conference programmes and projects, in cooperation with the ARN Executive committee and/or ARC, and reports progress on programme and projects developments to ARC.
3. The committee works in collaboration with local Programme and Project organizing committees to host a selection of programme contents, and works with the relevant sub-committees (e.g. Technical Committee, Advisory Committee, Review Committee) to ensure effective execution of programme and projects.

LES POLITIQUES DU RÉSEAU RÉGIONALE D'AFRIQUE (ARN)

Présentées par Uduakobon Abiebiat Okon (Eng),

Directeur de INWES, Afrique, et Présidente de OPAGESTE

Pour le Comité de Direction du ARN.

1. Les définitions

ARN: Le Réseau Régionale d'Afrique (African Regional Network).

INWES: Le Réseau International d'Ingénieurs et Scientistes (International Network of Women Engineers and Scientists).

ARC: La Coordination Régionale d'Afrique (INWES Africa Regional Coordination) – compris de représentatives des membres pays.

Le but: Créé un cadre de fonctionnement commun pour les africaines, les organisations, les institutions, les individus et les filles de STEM pour le développement et la durabilité de STEM en Afrique.

2. Les objectifs

Les objectifs du ARN sont listés ci-dessous, mais ne sont pas limités aux objectifs suivants:

- i. Promouvoir les buts et objectifs de la mère INWES.
- ii. Augmenter la portée de INWES en Afrique.
- iii. Promouvoir le rôle et le statut des organisations pour les femmes en STEM.
- iv. Améliorer l'avancement des filles et des femmes dans la pédagogie de STEM.
- v. Assurer une tribune pour l'échange des expériences professionnelles parmi les femmes et les organisations de STEM en Afrique.
- vi. Faciliter le développement et la coordination des projets communs dans le ARN.
- vii. Aider les femmes qui veulent établir leurs propres associations de STEM.
- viii. Améliorer les échanges culturels des communautés internationaux et les femmes de STEM.
- ix. Promouvoir le perfectionnement professionnel des femmes dans les carrières de STEM.

3. L'organisation

Le réseau inclura toutes membres du INWES qui font partie du territoire d'Afrique. Une Chaire Organisation sera élue pour une durée de trois ans. La Chaire Organisation nommera une Présidente et Secrétaire Générale pour le ARN. Cette personne dirigera le Réseau en collaboration avec le ARC, ce qui comprend les pays et/ou les représentatives des organisations (au moins une personne par pays) en Afrique. La Présidente devra diriger et communiquer avec la coordination régionale du ARN. Les dirigeantes du RRA incluront la Présidente, la Vice-Présidente et la Secrétaire Générale.

4. Les réunions annuelles

Une réunion du ARN aura lieu annuellement. Cette réunion pourra se tenir en concert avec un colloque dans la région ou être reçue par une organisation de la région. Un appel à propositions pour accueillir cette réunion annuelle sera envoyé aux membres par la ARC au plus tard un mois avant la réunion précédente aura lieu. Cependant, aux années des ICWES, la réunion aura lieu au même endroit du ICWES. Il se peut que d'autres activités ou programmes se tiennent en concert avec la réunion, tel que proposés par l'Organisation Président et/ou la ARC du ARN.

5. Les activités du ARN

Les activités du ARN incluront:

- Des colloques régionaux
- Des programmes de sensibilisation
- Des assemblées générales (virtuelle et physique)
- Des réunions de la coordination régionale (virtuelle et physique)
- Des colloques du ICWES.

6. Les fonctions des organisateurs des réunions du ARN

Les fonctions des organisateurs de la réunion et du ARC sont définies comme suit:

La réunion du ARN peut être tenue en concert avec la conférence locale reçue par les organisateurs. La réunion devrait durée une journée en entière et organisée par un groupe d'individuels, d'organisations ou de sociétés qui sont tous intéressés et associés avec le ARN/INWES.

Les organisateurs des réunions du ARN:

- Seront chargés de l'organisation à l'endroit de la réunion
- Etabliront un budget pour la réunion avec la coopération du

comité de finance et la collecte de fonds du ARN

- Approcheront, avec l'assistance du comité de finance et la collecte des fonds, des organisations régionales et internationales pour le financement
- Promouvront l'événement aux membres pays du ARN
- Seront chargées de toutes dépenses locales pour les participantes de la région, soit par imposition de frais, soit par la collecte des fonds pour les soutenir.
- Seront responsable pour toutes frais concernant la réunion : tout les matériaux de publicité ; l'endroit ; l'équipement ; les salles ; les intervenantes ; les pauses cafés, etc.
- Soutiendront le pays ou l'organisation du ARN en publiant un rapport de pays comme jugé nécessaire par le ARN.

7. Les responsabilités d'INWES et L'organisation chaire

Le conseil d'administration d'INWES et l'organisation chaire du ARN:

- Donneront des conseils au sujet du parrainage et les stratégies pour la collecte de fonds, et promouvront le APNN à travers le site web d'INWES et l'organisation chaire du ARN
- INWES peut fournir une lettre d'appui aux organisateurs de la conférence à utiliser dans leurs activités de collecte de fonds
- Fourniront une liste d'associations, de sociétés et de personnes qui ils souhaitent approcher en tant que délégués, s'ils acceptent cette possibilité
- Agiront en tant que commanditaire officiel de la réunion du ARN et d'autres réunions connexes
- Encourageront leurs sociétés membres à participer
- Participeront à l'assemblée générale annuelle du ARN

8. L'élection de l'organisation chaire

L'organisation chaire (et l'organisation chaire-élue) sera élue tous les trois ans à la réunion du ARN. Cette élection aura lieu au moins un an avant le commencement du mandat. L'ancienne organisation chaire fera un appel à candidatures aux membres au moins un mois avant l'élection.

Les critères de sélections de l'organisation chaire seront comme suit:

L'organisation chaire doit :

- i. Etre un membre de règle de INWES.
- ii. Présenter une proposition qui montre la réussite et les contributions en aidant les jeunes filles et femmes avec leurs poursuites de carrières en tant que STEM; l'encouragement des

études STEM pour les jeunes filles et femmes; et l'amélioration de l'environnement académique pour les femmes en études STEM.

iii. Promouvoir les femmes diplômées dans les disciplines de STEM.

iv. Montrer le nombre de réunion ARN, le nombre de conférences ICWES à laquelle elle a assisté (s'il en existe), et leur fonction (s'il en existe).

v. Montrer sa participation active en ARN et INWES.

vi. Montrer sa réussite au niveau de la communauté dans la poursuite du réseau ARN et du INWES.

vii. Soumettre une déclaration sur leur disposition de présider le ARN.

9. Les statuts

Chaque membre est tenu de respecter les statuts du INWES.

10. L'adhésion

Les membres du INWES qui sont des nationaux des pays africains sont automatiquement membre du ARN. Ils peuvent être membres organisationnels, membres corporatifs, membres particuliers, membres académiques ou membres honoraires du INWES. Ils sont assujettis au frais d'adhésion selon la section 8 des statuts du INWES.

11. L'assemblée générale annuelle

Une assemblée générale annuelle aura lieu chaque an pendant la réunion du ARN. Le quorum requis à toute assemblée doit constituer au moins 40% des organismes membres représentés soit en personne soit par mandataire. Aucune question ne pourra être traitée à une assemblée si le quorum requis n'est pas atteint au commencement de l'assemblée.

Chaque question, à toute réunion, est tranchée à main levée. Dans le cas où un vote par bulletin est requis par la présidente, requis par un membre, ou si un membre participe par téléconférence ou par moyen électronique, le membre indiquera sa décision verbalement ou par moyen électronique. Quand un vote par main levée est pris pour une question, sauf en cas de vote par bulletin, la présidente annoncera qu'une résolution a été adoptée ou rejetée à telle majorité. Ainsi, une inscription à cet effet au procès-verbal est la preuve sans qu'il soit nécessaire de faire connaître combien ont voté pour et combien contre.

This document was translated for the newsletter by a volunteer.

LE MANDAT POUR LES COMITÉS DU RÉSEAU RÉGIONALE D'AFRIQUE (ARN)

Présentées par Uduakobon Abiebiat Okon (PHD, Eng)

Directeur de INWES, Afrique, et Présidente de OPAGESTE

Pour le Comité de Direction du Réseau Régional d'Afrique

Les définitions opérationnelles

INWES: Le Réseau International d'Ingénieurs et Scientistes (International Network of Women Engineers and Scientists)

ARN: Le Réseau Régional d'Afrique du INWES (Africa Regional Network)

ARC: La Coordination Régionale d'Afrique (Africa Regional Coordination)

Le mandat pour le ARN du INWES sont comme suit:

A. Le Comité des Finances et des Collectes de Fonds

1. Le Comité des Finances et des Collectes de Fonds est permanent et est présidé par la trésorière qui passe en revue et donne des conseils principalement sur les questions financière. Il identifie ainsi des possibilités de financement et donnera suite aux modalités du développement de l'organisation et la collecte de fonds.

2. Le comité doit s'engager au processus budgétaire annuel et s'assurer que le plan stratégique, les objectifs et les initiatives de l'organisation sont tous intégrés. Cela se fait en collaboration avec la directrice administrative (la Présidente) et/ou le ARC du INWES.

3. S'assure que les politiques et procédures pour les transactions financières du ARN sont toutes dûment documentées, approuvées et suivis.

4. Exerce la surveillance des contrôles internes, la vérification indépendante, et l'analyse financière pour l'organisation. Le comité développe et présente un rapport simple et compréhensible pour la présentation au ARN en entier.

B. Le Comité de Défense des Intérêts et de Partenariats

1. Le Comité de Défense des Intérêts et de Partenariats développe et met en pratique des stratégies globale de plaidoyer pour les processus législatifs. Le comité établit et maintient les partenariats entre le ARN et les organisations importantes tels que L'UNESCO. Les membres du comité font cela tandis qu'ils démontrent un intérêt dans le ARN. Tout sera fait en collaboration avec la directrice administrative (le Présidente) et/ou le Comité Exécutif du ARN.

2. Le comité présente une bonne image du ARN et soutien ses partenariats et ses affiliations/organisations nationales qui s'engagent au initiatives spécifiques de plaidoyer pour atteindre le plus impact possible et pour atteindre les buts et objectifs désirés.

C. Le Comité de l'Informatique et de la Communication

1. Le comité dirige le développement du site web ARN et soutien l'administrateur du site. Le comité assura que le site web comporte l'information de la plus haute qualité, et est tenu à jour avec l'information pertinente du ARN et INWES qui pourra toucher un large public. Le comité offre le l'administrateur du site des conseils sur les priorités relatives pour l'organisation.

2. Le comité exerce la surveillance sur le traitement et la production des publications y compris les bulletins d'informations, les revues et les rapports par pays.

3. Le comité, en collaboration avec l'administrateur du site, définit et examine régulièrement le site web, les politiques liées au contenu et au matériel protégé, la fiabilité et l'accessibilité du contenu, et la publicité. Le comité rend un rapport annuel à la ARC en entière.

D. Le Comité de Programmation et d'Organisation des Projets

1. Le comité reçoit et rassemble les propositions. Le comité développe, en collaboration avec le comité exécutif du ARN et/ou la ARC, le critère pour les propositions considérées basé sur les politiques du ARN.

2. Le comité surveille les programmes et les projets de la conférence du ARN en collaboration avec le comité exécutif du ARN et présente au ARC le progrès de ces programmes et projets.

3. Le comité travaille en collaboration avec les Comités de Programmation et d'Organisation des Projets locaux pour accueillir une selection de parties du programme, et travaille avec les sous-comités appropriés (par exemple le Comité Technique, Comité Consultatif, Comité de Revision) pour assurer l'exécution efficace des programmes et projets.

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