



INWES Member Newsletter #7 – October 2010

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News from the President

We have had an exciting time over the summer, with the Regional Meeting held by the AAAS in Washington, and the 12th INWES Board Meeting which was run after the Regional Meeting. I had not visited Washington before, and I was very impressed with the beautiful and spacious city. Yolanda George, a Board Member and representative of AAAS had organised a very good conference, which was about raising money for organisations such as ours. As you can imagine, it was extremely useful, and we accessed a lot of information and met many people who will be helpful and supportive to INWES.

Unfortunately this time we were not able to raise any money to pay for travelling and accommodation for Board Members at the meeting, so once again we were not as numerous as we would have liked, however, we got through a lot of work.

Briefly, things of note are firstly that Pam Wain takes over the Programme Committee from Yvette Ramos, and thus becomes a Vice President of INWES. Yvette had to give up the Chair of this committee after starting a new job, and we thank her for the work she did, and wish her all the best with her work. She remains on the committee and the Board. We still need volunteers for the committee, and we need ideas from you, our members, on projects we could initiate or join with. We want to encourage members

to work with us on projects within their own countries.

Secondly, finances are very tight. However, now the Educational and Research Institute has been awarded charity status in USA, they are more hopeful of raising money, and we are hoping to co-operate with them on projects. We will also be chasing subscriptions more closely from now on. It is also our intention to develop a strategic plan for INWES which will build on its mission, assess its strengths and weaknesses and develop a plan to generate revenue in a sustainable way in order to advance our aims and goals. We have a Fundraising Committee, and if you have any skills in this direction, perhaps you would like to help us.

I shall be attending the SWE Conference in Orlando in November, along with Gail Mattson (treasurer), Pam Wain, Monique Frize and Claire Deschenes. We hope to publicise INWES and make contacts. In addition, Pam has been at the WFEO meeting in Argentina.

Please publicise INWES if you have a platform to do it. Documents can be taken from the website, or you can contact us. Remember especially that **we have ICWES15 next year in Adelaide and you can register now and send in abstracts until 1st December**, please tell everyone about this if you can.

Sue Bird, INWES President

The 2010 INWES Regional Meeting

Support for Women Scientists Grows As Agencies Seek Pathways for Development, Diplomacy

by Tina Adler

To stimulate international development, government agencies and non-governmental organizations are increasing their support of pro-

grams that promote women scientists, speakers said at a regional meeting of the International Network of Women Engineers and Scientists at AAAS headquarters.

The U.S. State Department, The World Bank, and other national and international agencies have increased their support for women scientists worldwide. Their goal: To improve the educational and career opportunities for women in their home countries in a way that encourages economic growth and innovation.



At the U.S. Department of State, “we are talking very plainly about the priority of women and science as an integral part of our diplomatic and development agenda,” said Sharon Hrynkow, senior advisor to the assistant secretary in the Bureau of Oceans and International Environmental and Scientific Affairs (OES).

AAAS Education and Human Resources and the AAAS International Office hosted the INWES meeting, which focused on workforce and economic development for women scientists and engineers. INWES represents women in science, technology, engineering, and mathematics (STEM) from more than 60 countries and is a non-governmental partner of the United Nations Educational, Scientific, and Cultural Organization (UNESCO). Representatives from 11 countries, including England, Poland, France, Japan, South Korea, Rwanda, and Egypt attended the conference on 26-27 August.

The conference was “part of a much larger global effort to improve women's position in regard to STEM fields...as well as to improve women's empowerment and development by way of STEM,” said Shirley Malcom, director of Education and Human Resources at AAAS.

During the conference, Yolanda George, the deputy director of Education and Human Resources, provided the 48 attendees with hands-on fundraising training. After sharing some of her secrets to successful fundraising for science, mathematics, and education initiatives, George sent participants to the AAAS computer laboratory with a list of funding organizations to explore online and to discuss in small groups.

The State Department views science as a tool to help meet policy objectives, Hrynkow said. Secretary Hillary Clinton and other senior leaders, including Kerri-Ann Jones, the OES assistant secretary, “speak regularly about the importance of science for diplomacy and development,” Hrynkow noted. Clinton also formed the Department’s Office of Global Women’s Issues, which has as part of its mandate to “increase women’s and girls’ access to education and healthcare,” said Hrynkow.

The World Bank, the largest multilateral development agency worldwide, also wants to further

the synergistic relationship of science, development, and women’s issues.

“Any science, technology, and innovation (STI) capacity-building program the bank supports will have the opportunity to promote the needs of women,” said Joshua Mandell, an STI program officer at the bank. “We respond to the needs of our clients, many of which have expressed a demand for STI and other capacity-building programs to provide opportunities for women.” Those programs, he added, “can have strong impacts on economic growth.”

Traditional economic theory and equations don’t always have room for science and technology, but they have proven to be crucial to the economic growth of the U.S., Europe, and parts of Asia, said Mandell. The key to development is providing countries “the capacity to do science and technology and engineering that is focused on solving local problems,” he said. “That is the foundation of what we are trying to do at the bank.”

To carry out their goals of jointly supporting women, science and development, the State Department and the United States Agency for International Development have a new set of public-private sector funding opportunities, said Hrynkow. One example is the TechWomen Program, an international mentoring opportunity for women working in technology. Beginning in 2011, women employees of U.S. technology companies will mentor visiting women scientists from Algeria, Egypt, Jordan, Lebanon, Morocco, the West Bank, and Gaza for four to six weeks. The U.S. women will then travel to their protégés’ home countries to offer skill-development and networking workshops.

Other organizations devoted to bringing together women, science, and development are the Academy of Sciences for the Developing world, or TWAS (formerly the Third World Academy of Sciences); the Organization for Women in Science for the Developing World; and the Gender Advisory Board, which advises the U.N. Commission on Science and Technology for Development, Malcom said.

The 2011 annual meeting of the U.N. Commission on the Status of Women, which will be held at



United Nations headquarters in New York, will focus on access and participation of women and girls around the world to education, training, science, and technology. The conference is a “fantastic opportunity to promote the women in science agenda,” said Hrynkow.

The commission’s decision to focus on science is “a major breakthrough,” said Malcom. noting that “there has been more movement by the science community to consider gender issues than by the women’s movement to consider that science and technology has something to offer regarding women’s empowerment.”

An international program that promotes women scientists is the For Women in Science partnership, established in 1998 by UNESCO and the L’Oréal Corporate Foundation. Every year it awards \$100,000 to one highly accomplished woman scientist from each of the following regions: Africa, Latin America, North America, Asia, and Europe.

The L’Oréal Foundation has a vested interest, because the company employs 3500 people at L’Oréal Research, over half of whom are women, said Jennifer Campbell, secretary general of the foundation.

“What we need from you is qualified nominations to identify the top women from your continent,” Campbell told the conference audience. She added that they are having a challenge getting enough qualified nominations from Africa and Latin America. In 2009, two of the 2008 L’Oreal laureates received the Nobel Prize; Elizabeth Blackburn, an American molecular biologist at the University of California, San Francisco, won for medicine, and Israeli biochemist Ada Yonath, of the Weizmann Institute of Science, won for chemistry.

Another program, L’Oréal-UNESCO for Women in Science International Fellowships, annually funds 15 young women studying in the life sciences. It has awarded 150 fellowships to women from 77 countries. The recipients do research projects abroad, then return to their home countries.

The L’Oréal-UNESCO partnership also gives fellowships to young women doctoral students from Sub-Saharan Africa and Arabic countries to continue studying in their countries. The program will soon expand to include Central American and Caribbean women, said Campbell.

In addition, the L’Oréal USA Fellowships for Women in Science Program, managed by AAAS, every year gives five U.S.-based women researchers up to \$60,000 for their postdoctoral research. Similar National Fellowship programs exist in 45 countries so far.

Campbell said that one of the most popular features for the International Fellows is training week, in which AAAS participates. During the week, the fellows learn about getting research funding, leveraging their networks, protecting their work through patents, and communicating their research to a scientific and nonscientific audience.

The U.S. National Science Foundation (NSF) offers grants through its Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE) program. Those grants encourage universities, professional societies, and other STEM-related organizations “to change the way the institution runs, to allow women to thrive and to become leaders,” said Jong-on Hahm, an NSF program manager in the Office of International Science and Engineering. The program also promotes international collaborations for women faculty, encouraging foreign researchers with parallel funding from their own agencies to collaborate with U.S. researchers.

Malcom said the State Department, World Bank, and others, including AAAS, “are trying to make the case that when people think about development, and the role of science and technology in development, they should think gender.”



ICWES15: Leadership Innovation Sustainability

Abstract Submission Deadline 1 December 2010

The 15th International Conference for Women Engineers and Scientists (ICWES15), to be held at the Adelaide Convention Centre from 19-22 July 2011.

This is the first time an international conference for women engineers and scientists will be held in Australia. The National Committee for Women in Engineering, Engineers Australia and the International Network of Women Engineers and Scientists (INWES) are co-hosts for the conference.

The theme of the Conference is **Leadership, Innovation and Sustainability**.

Papers are invited on the following **conference themes**:

- Attracting, developing and retaining women engineers and scientists.
- Outstanding practice models of industry commitment to diversity and equality in the workplace.
- Achievements, innovations and research in the various fields of engineering, science and technology
- New ideas and solutions to contemporary problems including climate change, water, energy and sustainability.

The Conference will be a unique opportunity to showcase the achievements of women in engineering, science and technology and to lead the way towards a sustainable future.

Abstracts must be submitted on-line at www.icwes15.org.

Conference program

Key events of the conference include:



- **Women in Engineering Corporate Meeting day** for delegates from a single company on Tuesday 19th July.
- **CEO Circle** - We will be holding a panel discussion featuring chief executives and leaders of major engineering and science organisation.
- An open day for high school students in Adelaide, **FutureMinds Expo**, Friday 22nd July
- The **INWES Asia and Pacific Nation Network meeting**, on Tuesday 19th July
- **Professional development** opportunities with training courses run by Engineering Education Australia:
 - Leadership Skills for Professional Women
 - Business Acumen
 - Fear Free Presentations
- **Technical site visits** around Adelaide:
 - Bio Innovation SA – Visit to the home of small bio-tech companies
 - Claret Ash farm – Visit to organic herb farm producing organic skin care products
 - Australian Rail Track Corporation – Visit to Mile End Control centre to observe control over railway operations across the vastness of Australia
 - SA Desalination Plant – Visit to the facility to be commissioned April 2011 and which will produce 15ML/day drinking water for Adelaide
 - IPAS Optical Fibre Research Facility – View cutting edge photonics research



Invited speakers

The conference will feature a number of high profile engineers and scientists from Australia and internationally.

We are proud to announce that one of our keynote speakers will be **Dr. María Jesús Prieto-Laffargue**, a telecommunications engineer. She is the **first woman to be President of the World Federation of Engineering Organizations (WFEO)**. She is a prominent figure in the international arena of communications technology and international business. Dr. Maria Jesus Prieto Laffargue is a telecommunications engineering graduate of the university de Navarra, Spain, has an MBA and a Ph.D. in Telecommunications Engineering. Dr. Laffargue is active on various professional organizations and is a member of the Executive Board of College Engineers of Telecommunication (Spain), Chairwoman of the Energy Standing Committee (Instituto de la Ingeniería de España) and was President of Institute of Engineering of Spain (2000-2004).

Dr. Laffargue has been a delegate of the Spanish government to several European and world organizations. She has served and is currently active in a group of select experts preparing for the United Nations work on the Summit on Sustainable Development. She is a member of the Council of World Meteorology Organization, the Executive Council of European Meteorology Satellite Organization (EUMESAT) and the Council of Union International Telecomm. (ITU).



Dr. Laffargue has received numerous awards including the Medal of Honor from the European Women's Management Network (1989), Spanish Executive of the Year (1994), from the Chamber of Commerce of Madrid, Medal of Honor from the Institución Universitaria de Mississippi (2000) and various recognitions from Spanish, European and American organizations. The devoted mother of four accomplished children, Prieto Laffargue, lives in Madrid, Spain.

Registration is now open!

Registration is now open and we invite you to visit www.icwes15.org to register online.

Take advantage of our Early Bird rates!

Early Bird registration closes on 1 May 2011.

News from INWES

Isobel Hardwich Award for Pam Wain

by Sue Bird

Pam Wain has been awarded the prestigious Isobel Hardwich Award by the Women's Engineering Society (WES) in UK. Pam is a past President of WES, and deeply involved to the Society over many years. She is also on the

INWES Board as the Vice President (Programmes). The Isobel Hardwich Award is granted for service to the Society over many years. Congratulations to Pam for an award which is richly deserved.



Photograph taken at the Asian network workshop in August, 2009. In continuation of this workshop, a more formal meeting is to be held in Adelaide at the ICWES15 meeting in 2011

KWSE Organizes Committee for the “Asia and Pacific Nations Network Meeting”

by Kong-Joo Lee and Jung Sun Kim

On October 12, Kong-Joo Lee, President-elect of INWES and past president of KWSE, hosted a meeting at the KWSE office to start up a planning committee for the preparation of the “Asia and Pacific Nations Network Meeting.” With the support of Dr. Byung Joo Min, current president of KWSE and Drs. Myung Hee Jung and Mi-Sook Won, past presidents, the committee will be working to obtain funding and to cooperate with the organizing committee of ICWES15 for participation and organization of the workshop agenda. The decision to hold the Asian meeting was based on the responses of those who attended the “Asian Network Workshop” which was held during the INWES regional meeting in Busan in August 2009.

INWES Meetings

April 20, 2010 – Skype – 2nd Executive meeting #2010 – Participants: Sue Bird, Monique Frize (Observer), Nadia Ghazzali, Kong-Joo Lee, Gail Mattson, Monique Moutaud, Pascale Dubé (Recorder)

June 17, 2010 – Skype – 3rd Executive meeting #2010 – Participants: Sue Bird, Nadia Ghazzali, Kong-Joo Lee, Gail Mattson, Monique Moutaud, Yolanda George (Observer), Pam Wain (Observer), Pascale Dubé (Recorder)

28-30 August 2010 – Washington D.C. – Board Meeting

Future meetings:

November 28, 2010 – Next Executive meeting



CCWE⁺²⁰: A first project of the INWES Education and Research Institute

by Monique Frize

Twenty years ago, the Canadian Committee on Women in Engineering (CCWE) was created. Its mandate was to examine obstacles and identify successful strategies to increase the participation of women in Engineering. It was funded by Employment and Immigration Canada and several universities and companies and it had four original signatories: the Canadian Council of Professional Engineers and constituent associations (CCPE, now called Engineers Canada, EC); the Association of Consulting Engineers of Canada (ACEC); the Association of Universities and Colleges of Canada (AUCC); and the Canadian Manufacturers' Association (CMA). CCWE released a report in April 1992 making 29 recommendations addressing the following: early education, universities, workplaces, and professional associations.

"Now, twenty years later, it is time to assess what obstacles continue to limit the participation of women in engineering study programs, update our inventory of best practices and develop new and improved strategies to increase the participation of women in the profession" says Monique Frize, Chair of the CCWE. It is proposed to hold a workshop – designated CCWE⁺²⁰ – in April 2011 to gather key stakeholders to examine past recommendations, current issues, and re-affirm or develop new recommendations that could be implemented in the decade to come.

A Steering Committee has been set-up to help design the workshop content, determine who should be invited to participate, develop the budget and identify funding sources. A coordinator will be hired on a part-time basis to look after the logistics and ensure its smooth running. ERI is currently fundraising in Canada to support this activity. It is expected that this project can be replicated in many other countries once the report on the workshop is released.

The idea is to invite several of the original members of the CCWE (each representing an or-



ganisation), and to invite the persons who now hold a similar role, as well as others who could contribute important aspects to the discussions.

The Steering committee is headed by Monique Frize, President of INWES ERI and former Chair of CCWE. Another important consideration is to build on ongoing efforts by the Task Force and Advisory Committee of Engineers Canada to increase the participation of women in the engineering profession. It is also important to integrate the results of the NSERC Summit in November 2010 into the workshop's discussions.

It is expected that the workshop will produce a report with a list recommendations, including who should implement them, how to measure progress, and a timeline to achieve a positive outcome. This report will be made available on the ERI and INWES web sites and distributed widely to partners and participants.

Web site for CCWE report (1992):
http://www.carleton.ca/cwse-on/resources_reports.htm

The INWES Education and Research Institute was created to advance education in the fields of science, technology, engineering and mathematics worldwide. The Institute is a designated charitable organisation in Canada and obtained the 501c3 status in the USA through reciprocity arrangements with the United States of America and Canada. The Institute is governed by a Board of Directors, and activities are planned and administered through its committees: Programs, Finance, Communications, Education, and Research.



News from INWES Members

Activities promoting Science, Mathematics and Engineering in Quebec, Canada

By Nadia Ghazzali

Many activities and projects have recently been led in Quebec, in order to promote Science and Engineering for girls and young women.

Indeed, as in 2008 and 2009, the NSERC-Industrial Alliance Chair for Women in Science and Engineering in Quebec (www.chaire-crsng-inal.fsg.ulaval.ca), held by Nadia Ghazzali, professor at the Department of Mathematics and Statistics of Laval University, was involved in the organisation of the third (2010) edition of the event, "Les filles et les sciences: un duo électrisant" (Girls and sciences, an electrifying duo!). This activity is a unique opportunity, for girls in their second or third year of high school (grades 8-9), to discover the possibilities of careers in Science and Technology.

Montreal, Quebec City, Sherbrooke and Rimouski hold this event simultaneously, always in February. In Quebec City, the 2010 edition was attended by about 110 girls, a record attendance! Workshops were held in the morning, and included, among others, a workshop on Chemistry, during which the participants made their own perfume with essential oils, a workshop on Optics, during which they created their own flashing pin and a workshop on Electrical Engineering, where they assembled an electronic circuit, based on the principle of a component of the lie detectors. On their lunch break, the girls were invited to visit many booths with the activity "Magasin ton avenir" (Shop your Future). In the afternoon, a science creative activity was led by "La Boîte à Science" (Science Box), a Quebec-based organisation dedicated to the promotion of science to youth.

The Chair also led, as in 2008-2009, the 2009-2010 edition of the project "Future Ingénieure?" (Future Woman Engineer?), for Quebec City and Chaudière-Appalaches area, in partnership with the Marianne-Mareschal Chair.



Edition 2010, "Les filles et les sciences: un duo électrisant" (Girls and sciences, an electrifying duo!)

Girls from the CEGEP level (grades 12-13) were matched to mentors (engineers) in businesses and research centers. In winter 2010, the students were invited for a day or half-day visit in their mentors' organisation, in order to discover what the daily job of an engineer is and to demystify the Engineering profession. For example, for the 2010 edition in Quebec City, the students were sponsored by businesses and research centers, corresponding to their field of interest: DESSAU, Research Group in Water Engineering of Laval University, Research Group for Defense Canada, Ministry of Transportation of Quebec, Sainte-Justine Hospital and Canam Group.

As in the two past years, in 2010, the Chair sponsored the Excellence Science competition. Organised by the Minister of Education, Recreation and Sports of Quebec, this competition aims to encourage women in universities, for the whole province, to persevere in the field of Science and Engineering. In 2010, the NSERC-Industrial Alliance Chair for Women in Science and Engineering in Quebec offered the Prize Internship in a university laboratory, in partnership with the Marianne-Mareschal Chair, to the recipient, Ms. Evelyne Brown Dussault, studying in Physical Engineering at Laval University.



From left to right: Ms. Suzanne Lacroix, Marianne-Mareschal Chair, Evelyne Brown Dussault, recipient, Prize Internship in a university laboratory, and Ms. Nadia Ghazzali, NSERC-Industrial Alliance Chair for Women in Science and Engineering in Quebec.

In the specific field of Mathematics, Science and Mathematics in Action (SMAC), directed by Professor Jean-Marie De Koninck, at the Department of Mathematics and Statistics of Laval University, has led another initiative: MathAmaze (www.smac.ulaval.ca). MathAmaze is a free interactive multimedia game, taking the form of a Board game, available on the web (www.mathenjeux.ca), in French and in English. The aim of this project is making youth discover Mathematics through game, and reintroducing the general public to Mathematics. The goal of the game is to accumulate as many coins as possible, in a limited time, by answering mathematical questions; up to four players can play one against the other on a game. The question bank of MathAmaze is composed of 1500 questions from eight different categories (geometry, logic, algebra, arithmetics, probability and statistics, history of science, functions, and general questions). The questions are adapted to the academic level of the player and, therefore, two players of different academic levels can play on a same game. MathAmaze can also be used as a tool for teachers; on request, a question category (for example, geometry) can be isolated, and questions can be added to the game.



Conference in Amman, held in the presence of Her Royal Highness Princess Sumaya bint El Hassan, President of the Royal Scientific Society

Building Mathematical and Scientific Talent in the BMENA Region

Amman, Jordan, September 27-29 2010

By Nadia Ghazzali

The John Templeton Foundation has provided funding to The American Association for the Advancement of Science (AAAS) to conduct the Conference "Building Mathematical and Scientific Talent in the BMENA (Border Middle East and North Africa) Region", in partnership with the Royal Scientific Society (RSS).

I was invited as invited speaker to share my Canadian-Moroccan experience for promoting Science, Mathematics and Engineering for women. I also presented programs and projects set up for Quebec, Canada, having for purpose to identify and support scientifically and mathematically talented students in grades 6 to 12.

The aim of this conference was to share information about existing programs, plans and needs for programs, but also to learn how and why talent is not nurtured and how to overcome this obstacle to the development of this vital resource. There were about 40 speakers from Europe, Asia, North America, Middle East and North Africa and about 30 attendees. It was a unique opportunity to introduce INWES as an international network and to reinforce our collaboration with the MENA Region, hopefully for future INWES events. The proceedings for this conference will be published by AAAS.



Dr. Ghada Amer, from Egypt, Deputy CEO for the Arab Science and Technology Foundation, and Prof. Nadia Ghazzali, INWES Secretary General

KWSE Holds Green Convergence Technology Workshop

by Kong-Joo Lee and Jung Sun Kim

A series of workshops and seminars related to green convergence technology is being held this year at the Association of Korean Woman Scientists and Engineers (KWSE). On June 15, interested members of KWSE gathered at the National Core Research Center at Yonsei University in Seoul to discuss the importance of the new trend in research as well as to emphasize that women scientists and engineers should not be neglected from the national endeavor. Titles of the talks included, “Low carbon green growth national strategy,” “How industry copes with the green paradigm,” and “Trends of technical development using new and renewable energy.”



President Byung Joo Min and participants joined for a group photo after the seminar

Engineer trail-blazer to be honoured by peers

By Maria McClintock

Months after learning that the Ontario Society of Professional Engineers (OPSE) is awarding her its prestigious Gold Medal, Professor Monique Frize is still glowing.

Frize, 68, is a legend in engineering circles for her tireless efforts to open the field to women and to break down barriers that have existed in a traditionally male-dominated profession. Her area of expertise is biomedical engineering but she has long been a leading spokesperson for female engineers in Canada.

So, when she got the letter back in June from the OPSE informing her of the news, she could hardly believe it.

“I was shocked. I was really surprised because there have been so few women I never thought my name would go up there,” she says. “It means a lot.”

Her accomplishments are many. She has received the Order of Canada and several honorary degrees – which she says are all special to her – but receiving the Gold Medal has a special place in her heart.

It will be presented at a ceremony in November and is the OSPE’s premier award. It recognizes conscientious commitment to public service, technical excellence and outstanding professional leadership.

“My other honours were not from engineers ... this is really my profession and to really finally get recognition for my engineering work and my women in engineering work ... this medal is confirmation that I am an engineer again,” Frize says.

She recently published a book on the subject, which combines history, with research and her personal experience. The book, entitled “The Bold and the Brave: a History of Women in Science and Engineering,” is published by the University of Ottawa Press (2009).



Prof. Monique Frize

In June, Frize – who is a professor at both Carleton and University of Ottawa – retired from teaching. At Carleton, she was promoted to Distinguished Professor and at University of Ottawa, Professor Emerita.

While she's retired, for Frize that really means supervising 12 graduate students – five PhDs and seven master's. And she's started researching her second book.

"My passion is engineering research," she says.

For Carleton engineering Prof. Moyra McDill, Frize was an obvious choice to be honoured by the Ontario Society of Professional Engineers.

"Monique has been the pre-eminent woman in Canada for the advancement of women in engineering over the last 20 or more years. As you will see, in recent years she has extended that reach to the international community and the support of women in countries where there is very little, if any, other support," wrote McDill in her nomination letter.

"I can't even begin to think of how many school visits Monique has made; how many seminars have been given; how many committees she has belonged to; how many students and, indeed, faculty members she has mentored over the years, and yet she continues to be involved in numerous initiatives including the Go Eng-Girl series in Ontario. Most recently she created the INWES Education and Research Institute which supports charitable outreach and best practices for under-represented groups.

"She is a truly remarkable individual."

Meanwhile, Frize says she's honoured some of her colleagues nominated her and she's looking forward to having the chance to thank them at the ceremony next month.

"This year has been quite amazing," she says.

And it's not over yet.

Reprinted from Carleton Now
(<http://carletonnow.carleton.ca/october-2010/engineer-trail-blazer-to-be-honoured-by-peers/>)
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Conferences, Workshops & Events

4-6 November | Orlando, Florida, USA
SWE10: The Annual Conference for Women Engineers
swe10.swe.org

8-12 November | Beyrouth, Lebanon
Conférence Internationale des Responsables des Universités et Institutions à dominante Scientifique et technique d'Expression Française (CIRUISEF 2010)
www.ciruissef.com

6-7 December | Skikda, Algeria
Rencontre des femmes scientifiques méditerranéennes (REFSCIMES 2010)
www.univ-skikda.dz/images/stories/facultes/FSI/doc/Manifestations/cofscima2010.pdf

23-24 June 2011 | Paris, France
HELENA International Conference
Gender and Interdisciplinary Education for Engineers – GIEE 2011
www.fp7-helena.org/conference2011/

19-22 July 2011 | Adelaide, Australia
15th International Conference of Women Engineers and Scientists (ICWES15)
www.icwes15.org

4-9 September 2011 | Geneva, Switzerland
World Engineer's Convention 2011 (WEC 2011)
www.wec2011.ch

INWES Member Newsletter

Deadline for Issue #8: 31 December 2010

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INWES Board

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