Farewell to Duncan Fraser

Last month, we said goodbye to Professor Duncan Fraser, our good friend and colleague; professor at the University of Cape Town, Secretary General of the African Engineering Education Association (AEEA), and President-Elect of IFEES. Duncan passed away on July 19th, 2014, surrounded by loved ones.

For those of us who had the privilege of knowing and working with Duncan, we knew of his deep faith, his passion for people and for engineering education. The impact of his work and dedication reached not only the surrounding region, but across the world.

On July 26th, a week after his death, several hundred people said farewell to Duncan in a beautiful funeral, held at Jubilee Community Church in Nelson Road Observatory in Cape Town, the church where he was a deeply involved member. Together, friends and family celebrated a life well lived, as tribute after tribute highlighted aspects of his creative genius and goodness of character.

Please continue to keep his family in your thoughts and prayers.

We will publish a more detailed piece about Duncan's life and contributions in our next IFEES Bulletin.

University of Cape Town Obituary: http://www.ebe.uct.ac.za/ebe/news/duncanfraser
AAEE and CTATEEM Sign Memorandum of Understanding

In early June 2014, the Australasian Association for Engineering Education (AAEE) and the Chinese Taipei Association of Taiwan Engineering Education and Management (CTATEEM) signed a memorandum of understanding to co-host the 2014 Australasian Association for Engineering Education Annual Conference (AAEE Annual Conference) with the 2014 6th Asia-Pacific Conference on Engineering and Technology Education (APCETE). The conference will be held on the campus of Massey University, New Zealand, from December 8th to 10th, at the Museum of New Zealand Te Papa Tongarewa. The conference will also be co-located with the IEEE International Conference on Teaching, Assessment, and Learning for Engineering 2014 (TALE), hosted by Victoria University of Wellington. The theme of the conference is “Engineering the Knowledge Economy: Collaboration, Engagement & Employability,” which hopes to challenge the education, industry and government sectors to develop a cohesive, systemic process that enables learners to engage and develop into world class engineers.

Professor Alison Halstead, Pro-Vice Chancellor for Strategic Academic Developments at Aston University, UK, will be a keynote speaker, with a presentation on “Collaborative Pathways: How do we ensure that all learners are enabled to make connections across areas of learning that support an education in engineering?” Roger Hadgraft, professor at RMIT Australia, will give a keynote presentation on “Student Engagement & Retention: How do we ensure the success of a learner?” Tim Fowler, Chief Executive of the Tertiary Education Commission, Wellington, New Zealand, will give a keynote on “Growing the engineering education to employment pipeline: Reflections and future directions.”

In 2012, New Zealand set an ambitious goal to significantly grow its engineering talent. They learned much about the key issues that educators, industry and government must overcome to produce engineers with the skills that the engineering industry and local economy need.

This is the first time that AAEE and ATEEM will hold an international conference in a joint fashion. The goal is to promote an international exchange in engineering education communities, to explore current development situations and future trends for engineering education research and practices, and to facilitate interchanges on study results and experiences in different fields of engineering education. Hopefully, this cooperation will encourage more frequent conversations about engineering education research and practices in Asia-Pacific areas and motivate critical thinking, in order to enhance the development of engineering education in Asia-Pacific areas.

For more information please visit: http://www.aaee2014.org/page.php?ATEEM

Admission of New Signatories to the Washington Accord

At its June 2014 meeting in Wellington, New Zealand, the Washington Accord admitted two accrediting agencies as signatories:

- The Institution of Engineers Sri Lanka (IESL)
- National Board of Accreditation, India (NBA)

The Washington Accord, signed in 1989, is an international agreement among bodies responsible for accrediting engineering degree programs. It recognizes the substantial equivalency of programs accredited by those bodies and recommends that graduates of programs accredited by any of the signatory bodies be recognized by the other bodies as having met the academic requirements for entry to the practice of engineering.

In addition to the two new signatories, the Washington Accord admitted Instituto de Calidad Y Acreditacion de Programas de Computacion, Ingenieria Y Tecnologia (ICACIT) of Peru to Provisional Status in the Accord. Provisional status does not confer recognition on programs nor is the Provisional Status Body required to recognize the programs of other signatories, but provides the pathway for full signatory status, after a period of mentoring and review.
From June 24-27, the IACEE hosted the 14th World Conference on Continuing Engineering Education (WCCEE), which took place in the heart of Silicon Valley, at Stanford University, Palo Alto, California, USA. It was a huge success and a wonderful celebration of IACEE's 25th Anniversary.

The highlights and achievements of the 2014 WCCEE included: 195 registered attendees from 27 countries on six continents; several new University and Industry members in attendance; outstanding Keynote presentations by John Hennessy – President of Stanford University, Andrew Ng – Co-Founder of Coursera, and Leonard Lane – Managing Director of Li & Fung Academy; 51 contributed papers with oral presentations; and the introduction of a conference mobile app, which was highly utilized and will still be available for those that would like to network after the conference (please visit www.eventmobi.com/iacee2014 on your mobile device).

At this conference, Dr. Andy DiPaolo of Stanford University, gave a keynote address entitled: “Choices and Challenges: Lessons Learned in the Evolution of Online Engineering Education.” He challenged the audience to consider the critical challenges and lessons academic institutions have learned by delivering online education? How can these lessons be applied to assess opportunities, create strategies and design innovative online offerings to take advantage of existing and emerging delivery technologies? He addressed the potential and risks of online education, identified the changing education needs and expectations of students and employers, shared the lessons learned from the rise of new higher education providers and offered advice on strategies for institutions and faculty to successfully create new ways to support teaching and learning.”

For more information please visit the following website:
http://iacee2014.stanford.edu/

The 15th IACEE World Conference will be held in Porto, Portugal, May 17-20, 2016. Organizations who would also like to partner with IACEE should contact Dr. Alfredo Soeiro, Associate Professor, Universidade do Porto at avsoeiro@fe.up.pt.
Richard C Levin: New Face of Coursera

MOOCs have had a great impact in the higher education world since its emergence over two years ago, and continue to be an important topic of discussion and debate in engineering education circles. On June 23rd, Washington Post writer Nick Anderson published an article based on conversations with new Coursera chief executive, Richard C. Levin, an economist, and the former president of Yale University. Levin shares his opinions on the direction of Coursera and online learning, particularly in the area of monetization. Currently, and for “quite a while,” Coursera will have to depend on venture capital. Revenue from issuing verified certificates has not been enough to cover expenses. This is a concern that IFEES and GEDC members have voiced in MOOCs-related sessions at annual meetings.

The following is an excerpt from Anderson’s article:

The sheer scale of the response to free classes from star faculty at prestigious universities boggled minds. A single professor was capable of reaching more students — topping 100,000, say — with one online course than she would have drawn in an entire career of lecturing on campus.

Then it was thought that MOOCs, the acronym coined for these massive courses, would shatter the business model of higher education. Then it was thought that the real purpose of MOOCs was to run huge pedagogical experiments to help universities improve teaching for tuition-paying students.

Richard C. Levin, the new chief executive of Coursera, the most widely used MOOC platform, wants to steer the conversation back to what grabbed public attention in the first place: the wow factor.

Sure, Levin said, the emerging technology will help professors stimulate students on campus who are tired of old-school lectures. The talk of “flipped classrooms” and “blended learning” — weaving MOOCs into classroom experiences — is not mere hype.

“But that is not the big picture,” Levin said in a visit last week to The Washington Post. “The big picture is this magnifies the reach of universities by two or three orders of magnitude.” Levin took the helm of Coursera in April, as the company based in Mountain View, Calif., was turning two years old. An economist, Levin was president of Yale University from 1993 to 2013. He said he was attracted to the higher ed start-up by the prospect of engaging millions of learners around the globe.

To read the full article please visit: http://www.washingtonpost.com/local/education/new-coursera-chief-stresses-the-wow-factor-of-huge-audience-for-free-online-courses/2014/06/23/bf27a1fe-fad4-11e3-8176-f2e941cf35f1_story.html

EU’s TEMPUS Project Establishes the Association of Engineering Education Uzbekistan (AEEUz)

In late May 2014, at a meeting organized by the TEMPUS Project, the Association of Engineering Education Uzbekistan (AEEUz) was established. The creation of the AEEUz is as a result of the work of the Tempus Project QUEECA, a project of the European Union, for the purpose of strengthening engineering education in the Central Asian Region. IFEES Founding President Claudio Borri, Jose Carlos Quadrado and other IFEES colleagues are deeply involved in this initiative. The first President of the AEEUz is Professor Talat Magrupov.

Engineering education leaders in Uzbekistan had been preparing for the formation of this association as a legal body for over a year, a process that might have taken significantly less time in the Europe or the US. While they have several challenges ahead—resource allocation, bureaucracy, adapting to the demands of globalization—AEEUz is encouraged by the support they have received from the international community, and the EU in particular.

To read more about the TEMPUS QUEECA project, please visit: www.queeca.eu/tempus_queeca_1.html
Global Education: Exchanges for Engineers and Entrepreneurs (Ge4) is one of our newest IFEES members. Ge4 is an international non-profit network of universities established in 1996, whose purpose is to connect academic engineering and management institutions worldwide.

This year, the Ge4 annual conference was held at the Pontifical Catholic University of Rio de Janeiro (PUC Rio), one of the most prestigious universities in Brazil and in Latin America. One of the hosts, Prof. Luiz Carlos Scavarda do Carmo, welcomed participants from Europe, Asia, Latin America and the US. In his presentation, Prof. Scavarda pointed out the huge importance of the Ge4 and its concept of connecting engineering, engineers with entrepreneurship, and entrepreneurs. Dr. Gertrud Humily, the president of the Ge4 International Advisory Board, used the opportunity to introduce the international advisory board and its future role within the network as well as to provide a short overview of the Ge4 history. Dr. Mitar Pitzek reported on the structural changes within the network, providing an insight into the activities and efforts performed during 2013 and 2014. The participants were informed about milestones in network’s development, which shall be continuously improved by strengthening the network activities and structure, administration and including new members from all continents.

In various sessions, the member institutions had the opportunity to present themselves, their international efforts, difficulties, challenges and projects. Many of them have made huge efforts in extending their academic offerings in English, either in form of regular courses or summer schools. Many interesting aspects of internationalization from Germany, Austria, Spain, France, Argentina and Japan were presented.

Hans J Hoyer introduced the IFEES activities and welcomed Ge4 as a new IFEES member. He invited the participants to the WEEF 2014 Dubai in December.

One of the main goals of the Ge4 is to connect engineers and entrepreneurs all over the world. Connecting start-up businesses with the students from the Ge4 partner institutions searching for placements is one of the main wishes of Ge4 members. Students will be able to apply for internship vacancies at selected start-up companies at universities on the Ge4 website.

**2015 we go Vigo (Universidad de Vigo)!**

The 2015 Ge4 annual conference will be hosted by the University of Vigo, Spain. One of the main topics in Vigo shall be the interaction between engineering education and start up projects and the Ge4 role in it.

For more information, please contact: Dr. Mitar Pitzek – Ge4 Executive Director, mp@ge4.org
Engineering education needs an international dimension

By John Beynon
First published in the June 2014 Issue of the Australian Academy of Technological Sciences and Engineering’s (ATSE) FOCUS.

All countries need better-educated engineers and more of them. Their education needs to cover the fundamentals as well as the latest technical developments and it needs to develop the attributes the graduates will need for working in the modern workplace, which is international in so many ways.

This means that universities need to incorporate international dimensions into their programs to better prepare their students. This applies equally to engineers in the developed and developing world, despite their different resources. Engineers everywhere need to be well qualified and capable. Last October I became Chair of the Global Engineering Deans Council (GEDC), an international network of engineering faculty deans designed to leverage the collective strengths of the deans for the advancement of engineering education, research and service to the global community.

Although it was originally perceived primarily as a network of deans, the membership has grown to include a wide range of corporate members and we have a growing involvement with intergovernmental bodies. The expansion of our activities has produced a dramatic growth in membership, with individual deans now outnumbered by national and regional chapters, the most recent of which is from Nigeria. There are two broad agendas in international engineering education, one for the developed and one for the developing world. However, both share the desire and need to produce graduates and, subsequently, practicing engineers who are capable of developing and running our technologies. Every country basically needs the same type of engineering education.

In the developed world, discussion of a good engineering education revolves around the balance of technical knowledge and general attributes, both of which must incorporate the international environment that so many engineers need to operate within, be it in working with their clients or suppliers, or both. This has resulted in a range of studies on the ideal output of an engineering course, with perhaps the most comprehensive being a joint effort led by the American Society of Engineering Education and supported by the International Federation of Engineering Education Societies and GEDC under the title ‘Attributes of a Global Engineer’. This statement of attributes has been produced by a team of education specialists and large companies, led by Boeing, which employ many engineering graduates each year. Such a statement is a good starting place for any university department to plan its undergraduate engineering program.

Accreditation is also growing because of its value in the design of programs and in assuring the quality of delivery. How these programs are delivered is a major source of debate within universities, both in response to the dramatic growth in educational technologies that are available, but also with the growing pressures on the curriculum, as more content should be included and less taken out.

For many universities around the world, particularly in the developed world, this has become the dominant conversation – better education with fewer and often different resources. But if these countries think they are struggling for resources, the challenges faced in developing countries are much tougher. In many poorer countries all aspects of a good program are in short supply – qualified academic staff, good laboratory facilities, a strong interface with industry and, critically, a deep pool of potential students who are well prepared for an engineering education.

To try to help, GEDC has begun discussions with the World Bank and the Organization of American States to provide support for their programs aimed at assisting the development of engineering education around the world, and in the poorer parts in particular. For instance, the World Bank started the Technical/Engineering Education Quality Improvement Project (TEQIP) in India in 2002, the first phase of which cost more than US$300 million and closed in 2009. Phase 2 is funded at a similar level and was launched in 2010. Phase 1 supported more than 100 institutions and thousands of faculty members in well-performing...
institutions and had a considerable impact on quality of education by implementing institutional and policy reforms. TEQIP’s second phase addresses the supply of qualified academic staff and producing more research and development in collaboration with industry. An interesting thrust of this work is to increase the degree of autonomy for institutions because this has been shown to encourage academic staff to teach students the skills that corporate India demands, in particular problem-solving skills, creativity and flexibility, which in turn enhances the quality of education. GEDC is working with the World Bank to plan a conference in Bangalore in early 2015 that will include Indian governmental leaders, policymakers, GEDC members and corporate leaders to develop the next stages of improvement in engineering education in India. GEDC is also exploring with the World Bank the use of GEDC’s network, particularly the various diaspora around the world, to help work with their original homelands, such as in Africa or Asia, to further the development of engineering education there. GEDC also provides experts to advise on matters such as accreditation and online education, usually from countries relatively nearby. In Latin America government interest in engineering education is focused on the benefits for innovation and competitiveness. GEDC is exploring with the Organization of American States how to provide academic leadership to help universities develop stronger education and research programs, often from experts within Latin America. A shared theme for all countries is encouraging greater diversity in the engineering workforce. In many countries, but not all, this includes attracting more women to the profession. In many countries, Australia included, it also means encouraging more indigenous people to take up engineering careers. Many companies are keen on diversity because they believe it improves the performance of their business. Airbus is a good example of a company that works hard to diversify its workforce. Last year it joined forces with GEDC to launch the Global Diversity Award, recognising academic staff who have improved the diversity of the student body and will therefore, in turn, improve the diversity of the engineering workforce. Last year’s inaugural award was bestowed on Ana Lazarin of Wichita State University, whose own story as a first-generation Hispanic graduate is itself inspirational. The 2014 competition has just been announced and it will continue to raise the profile of diversity in the engineering workforce.

The GEDC is a forum of like-minded people who care about the international nature of engineering education and who see the opportunities for sharing ideas and good practice, as well as collaborating directly between institutions. The Australian Council of Engineering Deans is a chapter member and many of our deans are also individual members and playing an active role, very much in the tradition that our country plays on the world stage. Australia already has a very strong reputation in engineering education (supported by the Australasian Association for Engineering Education) and accreditation (through Engineers Australia), so it is a natural extension for us to be active in the Global Engineering Deans Council. Not only do we provide some help to other countries, but we gain far more in return to enrich our own engineering education and prepare even better graduates for our future.

Professor John Beynon FTSE is Executive Dean of the University of Adelaide’s Faculty of Engineering, Computer and Mathematical Sciences, following seven years as Dean at Swinburne University of Technology. Manx by birth, he spent much of his career at Sheffield University, where he held professorial positions in metallurgy and mechanical engineering. He has been President of the Australian Council of Engineering Deans and is now Chair of the Global Engineering Deans Council. He was elected Fellow of the Royal Academy of Engineering in 2007, and holds Fellowships of Engineers Australia, the UK-based Institute of Materials, Minerals and Mining and ATSE. Source: http://www.atse.org.au/Documents/Publications/Focus/2014/focus-184-educating-the-future.pdf http://www.atse.org.au/content/publications/focus-content/focus-2014/focus-184-educating-the-future.aspx?WebsiteKey=4cdd947a-8770-43bb-afc9-f1a66da6382
IFEES and GEDC communities gather in Indianapolis

A Brief report on IFEES and GEDC, Reception (sponsored by Quanser Consulting), Dinner and Breakfast Meetings before the 2014 ASEE Annual Conference

The IFEES and GEDC communities recently participated in its third annual gathering during the weekend before the ASEE Annual conference, holding dinner and breakfast meetings at the Harry and Izzy’s Restaurant in Indianapolis, Indiana. IFEES and GEDC bring their members together whenever possible in order to strengthen connectivity, provide updates on global initiatives, as well as to promote IFEES GEDC values and strategic vision.

The cocktail reception, sponsored by Quanser Consulting in Canada, and the informal dinner were opened with welcoming remarks from Sarah Rajala and Jose Carlos Quadrado. The program followed with a short video presentation on WEEF 2014 Dubai and a presentation on WEEF 2015 Florence. IFEES and GEDC guests enjoyed dinner while socializing with colleagues and friends.

The cocktail reception and dinner were attended by Promod Vohra, Dean of the College of Engineering and Engineering Technology, Northern Illinois University, and David Beasley of Arkansas State University, who announced his retirement after a life of teaching and serving for five years as a Dean of Engineering.

On June 17, the breakfast meeting, moderated by Yannis Yortsos and Stephanie Farrell, and the following key IFEES and GEDC leaders attended and gave brief presentations: Kamel Hawwash the newly elected SEFI president addressed the participants with a brief presentation on the SEFI Annual Conference to be held on September 2014 in Birmingham United Kingdom. Khairiyah Mohd Yusof of the Universiti Teknologi Malaysia represented the Malaysian colleagues. Euan Lindsay in representation of Australasian Association of Engineering Education (AAEE); Rochelle Williams provided an overview on the upcoming events and initiatives of ABET.

Mike Murphy, Chair of European Engineering Deans Council gave an update on the programming status of GEDC – EEDC Colloquium to be held in WEEF 2015 Florence. Danilo Zutin presented a progress report on the process of academic paper submissions for WEEF 2014 Dubai, in which over 380 papers have been submitted. An important aspect of the breakfast meeting was the presentation by Krishna Vedula, who also shared some insights on the upcoming Conference of International Engineering Transformations in Bangalore, in January 2015.

Luis Alberto Arraujo Gonzalez of ACOFI, spoke on the trends of engineering education in Colombia and gave an overview of his organization. Other presentations were given by Jose Carlos Quadrado on the developments of QUEECA Project in Central Asia. Linda Krute spoke on behalf of IACEE providing an overview of the upcoming global meeting at Stanford University.

Maria Larrondo Petrie, in representation of LACCEI, briefed the community on her organizations upcoming event in Guayaquil, Ecuador.

Jennifer Deboer of IDEA gave a brief overview of previous workshops and introduced the forthcoming workshop of Tsinghua University in China, July, 2014.

IFEES GEDC leaders also met with Kurt Larsen, World Bank, to discuss the future of Engineering Education in India that could link into a potential third phase of a current project that is ongoing among the Indian Government and World Bank. The leadership of GEDC and IFES has initiated other conversations with the World Bank, OAS and NAE to explore future collaboration.

We were pleased to welcome new colleagues and members of IFEES and GEDC: Julian Bauer and Patrick Windbuechler of Ge4 Network; Monica Collins of Petrus Communications; Marc Fry and Claes Fredriksson of Granta Design and Christina White of University of Texas and MIT, in representation of the Grand Challenges Scholars Program.
In June 2014 the Indo-US Collaboration for Engineering Education (IUCCE) published its first edition of “Transformer”, a peer-reviewed Journal of Engineering Education Transformations (JEET) which is published online and in print. JEET is striving to provide the best platform for researchers and scholars worldwide to exchange the latest research findings in engineering education.

JEET publishes four issues per year for distribution to libraries, universities, research centers, and researchers in Engineering and Management. Articles are subject to a peer review process; an international panel of researchers who are experts in relevant fields will review articles. They are asked to judge the quality of research and practice in Engineering Education through the publication of original research and review papers. JEET brings the latest advances in the Engineering with a multidisciplinary perspective. JEET is an avenue for engineering educators to showcase their transformational work as publications reviewed by experts educators from across the world.

The objectives of JEET are:

- To provide a common platform to researchers and faculty in the field of Transformations in Engineering Education
- To provide a journal that reports research in Engineering education on topics that is of international significance
- To encourage collaboration with international researchers to create special issues.
- To organize international conferences and colloquiums to discuss various issues in Engineering fraternity.

This journal is published at the Rajarambapu Institute of Technology, Rajamnagar. Dr. Sushma Kulkarni, the Director of the Institute, is responsible for the overall success of the journal and implementation of its strategy.

The Journal managers are: Dr. S. M. Shiyekar and Prof. Hemlata Gaikwad. The journal has also an advisory board and editorial board.

Dr. Robert Bishop concludes his term as Marquette University Dean of Engineering

The IFEES Community congratulates Dr. Robert Bishop for his new position as incoming Dean of Engineering in the University of Southern Florida starting in August. Dr. Bishop has hosted the IFEES and GEDC Secretariat Office since 2012, and we are thankful for his support and contributions to the IFEES and GEDC communities in that time. We wish him every success in his future endeavors.

Kristina M. Ropella, Executive Associate Dean and Professor of Biomedical Engineering and Director, Joint Ph.D. Program in Functional Imaging at Marquette University & Medical College of Wisconsin, will serve as Interim Dean of Marquette University College of Engineering, and we look forward to working with her.

We will continue to keep you informed during this period of transition.

For more details: [http://news.usf.edu/article/templates/?z=123&a=6381](http://news.usf.edu/article/templates/?z=123&a=6381)

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LACCEI 2014 Conference in Guayaquil, Ecuador

From July 22-24, 2014, LACCEI held its annual Conference in Guayaquil, Ecuador, which brought together several international events within Engineering Education, Research and Technology and Practice.

July 21st was the Latin American Forum of Students in Engineering Education, where Dr. Renetta Tull and Dr. Jaime Bonilla gave keynote presentations. On July 22nd, Dr. Michael Milligan, IFEES Executive Committee Member and ABET Executive Director gave a presentation at the OAS EftA Workshops. In the afternoon, there was a Forum for Deans and Administrators of Engineering Programs. On July 23rd, Bernice Anderson of the US National Science Foundation gave a presentation entitled “Funding Opportunities for International Collaboration and Engineering Research.”

Other sessions included: Women in STEM and Diversity Panel, LACCEI General Assembly, and the LACCEI New Board Meeting.

Academic papers submitted to the conference went through a double blind review and were processed for indexing, while extended abstracts went through single blind review and were presented in posters. In this event there were student paper competitions and a student poster competition. All submissions were published in the proceedings with ISBN and are archived online.

The 2014 LACCEI Academic Merit medal was awarded to IFEES President Jose Carlos Lourenço Quadrado for establishing 3 new national engineering education societies in Costa Rica, Bolivia and Ecuador and revitalized one in Peru and his many long-standing efforts in Latin America and the world.
International Engineering Education Moves Forward in Quality Assurance

This past June was a fruitful and busy month for the international engineering quality assurance community. From June 9-13, the Institution of Professional Engineers New Zealand (IPENZ) hosted the International Engineering Alliance (IEA) Workshop at the Intercontinental Hotel in Wellington, New Zealand. Each year, the Signatories of the Washington, Sydney, and Dublin Accords meet for either a business meeting or workshop (alternating years). The IEA Meetings and Workshops remain the primary international platform to share best practices in implementation of quality assurance processes. IEA members gather to not only share best practices, but to address emerging issues related to the Accords, and admit new members.

There were numerous speakers during the Workshop, including the Chairs of the various Accords. Topics included Program Evaluator Training (Dr. Michael Milligan), Transnational Education and Recognition (Robin King, Katy Turff, Hu Hanrahan), Sharing Best Practice Competence Based Assessment (Katy Turff), and Assessment of Learning Outcomes (Robin King).

During the IEA Workshop, ICACIT of Peru was admitted as a provisional member to the Washington Accord, the National Board of Accreditation (NBA) of India was admitted as a full signatory to the Washington Accord, and the Institute of Engineering Education of Taiwan (IEET) was admitted as full signatory to the Sydney Accord.

The next IEA Meeting will be held in Istanbul, Turkey from June 21 – 26, 2015.

Immediately after the IEA Workshop, also in Wellington, New Zealand, was the Seoul Accord Workshop from June 14-15 at the Rydges Wellington Hotel. The Seoul Accord, established in 2008, is a multilateral agreement among agencies responsible for accreditation or recognition of tertiary-level computing and IT-related qualifications. The Seoul Accord currently has eight signatories; the six founding signatories include ABEEK (South Korea), ABET, Inc. (USA), ACS (Australia), BCS (UK), CIPS (Canada) and JABEE (Japan). In 2009, they were joined by HKIE (Hong Kong) and IEET (Taiwan). The Seoul Accord workshops focus on current practices specifically in computing accreditation. As a relatively newer institution, they are discussing the possibilities for expansion and ways to cooperate with IEA.

Graduating a Class with Majority Women Engineers

On July 10th, 2014, Maria Klawe published a compelling interview with Harvey Mudd engineering department chair, Professor Liz Orwin, and associate department chair, Professor Nancy Lape, about how Harvey Mudd graduated more female engineers than male. In a Forbes Magazine piece entitled, “The Science Behind Graduating Class With Majority Woman Engineers,” Klawe, Orwin and Lape discuss the factors behind their success, the importance of project-based experiences, the role of mentoring from female faculty members.

To read the full interview, please visit:
Upcoming Events

Also remember to check our IFEES website for more upcoming events at http://ifees.net/Calendar.php

Engineering Conference in Piaui, Brazil
On August 13-15, 2014 in the State of Piaui, Brazil, over 3,000 engineering leaders and experts are expected to participate in a regional Engineering Education Conference.

Speakers include Carlos Americo Pacheco, the Chancellor of the Aeronautics Technological Institute; Uriel Cukierman, Dean of Engineering at Palermo University, Ramiro Jordan, founder of ISTEC, and Lueny Morell, former IFEES President. Topics include Distance Education, Engineering Curriculum, Innovation and knowledge, and Engineering in IT, Robotics and Modern Infrastructure Construction and Engineering.

2014 SEFI Annual Conference in the University of Birmingham, United Kingdom
The 2014 SEFI Annual Conference will be hosted by the University of Birmingham, with input from several Midlands universities, in Birmingham, United Kingdom from September 15-19, 2014. The theme of the conference will be focused on the need for highly educated engineers and will touch upon global competitiveness.

The conference will feature international keynote speakers, paper presentations, interesting reflections and discussion, and an IDEA workshop on “Management of Change: how to prepare university staff for curriculum innovation,” and more. For information on the full program, registration, and other updates, please visit the official website at www.sefi2014.com

Latin American Engineering Deans Council
The Latin American Chapter of the GEDC will be holding its annual meeting from September 28-30 in Viña del Mar, Chile. They will be having sessions on leadership skills for the 21st century, accreditation, instilling innovation and entrepreneurial spirit in students, MOOCs, and promoting interdisciplinarity in engineering.

ACOFI’s 2014 International Conference on Engineering Education
ACOFI will hold its 2014 annual meeting from October 7-10, 2014 in Cartagena de Indias, Colombia. Building on previous conference experiences, the 2014 meeting will be the ACOFI International Conference in Engineering Education, where administrators, teachers, students and entire engineering education community in Colombia and abroad can find space to share their thoughts, research and innovations.

To view the program, please visit: www.acofi.edu.co/eiei2014/programa/

2014 Frontiers in Engineering Conference
From October 22-25, in Madrid, Spain, IEEE will hold the 44th Annual Frontiers in Education (FIE) Conference, a highly-respected major international conference focusing on educational innovations and research in engineering and computing. FIE 2014 continues a long tradition of disseminating results in these areas. It is an ideal forum for sharing ideas; learning about developments in computer science, engineering, and technology education; and interacting with colleagues in these fields. For more information: http://fie2014.org/

IMCL2014 – 2014 International Conference on Interactive Mobile Communication Technologies and Learning
On November 13-14 in Thessaloniki, Greece IGIP hosts the 8th International Conference on Interactive Mobile Communication Technologies and Learning, IMCL2014, part of an international initiative to promote technology-enhanced learning and online engineering world-wide. The IMCL2014 conference will cover all aspects of mobile learning, mobile business, mobile government, mobile society as well as the emergence of mobile communication technologies, services, implementation and implications for education, business, governments and society. Please visit the official website for more details: http://www.imcl-conference.org/imcl2014/

Would you like to announce an upcoming event in the next IFEES Bulletin?
Please contact Peter Tase at peter.tase@marquette.edu
Links of Interest

Brazil 2015: infrastructure and the end of the makeshift solutions

Educational ties: China to support Pakistan in petroleum engineering
http://www.uet.edu.pk/newsannouncement/newssection/uet_news.html?id=112

Russia sanctions threaten to rebound on western energy firms, help China
http://www.reuters.com/article/2014/07/31/us-russia-sanctions-energy-idUSKBN0FZ2G320140731

Kenya Could Soon Start Making Machine Parts for Export
http://allafrica.com/stories/201407310707.html

The Role of Humans in Blended Learning

Seeram Ramakrishna’s Presentation on International Branch Campuses

The High Flyer—Airbus’s Online Magazine
http://www.highflyer.airbus-group.com/02_2014_tackling_the_cyber_threat.html#article_08_00

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