



IFEES Semi-Monthly Newsletter

May 2009

IFEES Member Spotlight- New Member

The Student Platform for Engineering Education Development (SPEED) is a globally operating, student-run, non-profit organization that connects engineering students from over 15 nations on six continents to a global network of young leaders. The purpose of SPEED is to advance engineering education by providing a platform for global communication between students and empowering students to take action locally. SPEED is focused on interlinking student communities, sharing experiences and opinions across cultures and borders, delivering initiatives that aim at the development of conventional engineering education, and making globalization and sustainability a part of engineering education on a global scale.



SPEED was founded by student participants of the first Global Student Forum (GSF) in October 2006 during the 5th Global Colloquium on Engineering Education (GCEE), organized by the American Society for Engineering Education (ASEE), in Rio de Janeiro, Brazil. In October 2007 and 2008, SPEED co-organized the 2nd and the 3rd GSF with ASEE in Istanbul, Turkey and Cape Town, South Africa. The 4th GSF was held in Bhubaneswar, India in December 2008. During 2009, May and October will witness the 5th and 6th GSF to be held in St. Petersburg, Russia, and Budapest, Hungary. Universities around the world are being transformed by GSF participants eager to improve their education towards a more sustainable future. As a student organization, we are constantly empowering students and encouraging them to believe in themselves and their ability to transform their environment.

"Never doubt that a small group of people can change the world. Indeed, it is the only thing that ever has." (Margaret Mead)

Updates from IFEES Secretariat

- Indo US Collaboration for Engineering Education (IUCEE) has successfully completed follow up of the 2008 Faculty Leadership Institute held last year in Mysore. 15 Regional Centers all over India have been actively engaged in follow up regional workshops. 35 leaders of engineering education representing 15 colleges from India visited several US universities in November 2008 on a two-week study tour for building collaborations. Implementation of the

2009 Faculty Leadership Institute is in progress. 600 participants from over 100 colleges from all over India will participate in 24 workshops conducted at the Infosys campus in Mysore from June 22 to July 10, 2009. 24 US faculty experts and industry leaders will conduct these workshops in the "Facilitate the Trainer" model. Several of these participants will be conduct regional follow on workshops later in the year

- Lueny Morell, IFEES president will chair the planning and implementation of the forthcoming IFEES Summit in October 2010. She will soon bring together a team of IFEES members to work with her in defining a cutting-edge agenda for the Singapore Summit and is asking all of you to begin to think about potential themes and topics.
- Hans J Hoyer has recently returned from Singapore where he met to discuss with the leadership of the National University of Singapore (NUS), IFEES member The Institution of Engineers, Singapore as well as corporate IFEES members with presence locally, the forthcoming Global Engineering Education Forum in October 2010. We expect to bring together the Fourth IFEES Summit, the ASEE Global Colloquium, the IACEE/WCCEE, the Global Engineering Deans Council and the Global Student Forum in this cutting-edge week of events.
- Lueny Morell, Hans J Hoyer, Svetlana Ancker and key members of the HP Lab Research team met with the NSF in March to explore their support to establish a worldwide Industrial Research Innovation Fellowship Program for post-doctorate engineers/scientists to spend three years in a corporate research lab throughout the world. This proposal is at the heart of a recent white paper written by Lueny and her HP colleagues entitled "Stimulating the Global Economy by developing Industrial R&D opportunities for the next Generation of Technology leaders." Lueny is proposing to work with other IFEES corporate members to move this forward.
- The Global Engineering Deans Council (GEDC) held a workshop on March 21 and an Executive Committee Meeting on March 22, 2009 in Boston, Massachusetts, USA. Both meetings were attended by 20 Deans/Rectors from around the world, and the purpose of the workshop was to brainstorm and identify key areas of importance, for the GEDC to focus on. Jim Vanides from Hewlett-Packard gave a presentation via Skype entitled: "Re-Imagining the Classroom" and Henry Leitner from Harvard University also presented. Based upon the days discussion the following three main themes were decided upon: How to be a successful Dean/Professor, the Global Engineer, and Technology in Education specifically related to innovation in engineering education. Each of these themes will be chaired by a two person committee, which will take the lead in identifying content and speakers for the upcoming GEDC events that will take place in Budapest (2009) and Singapore (2010). Presentations from the meeting can be found on ASEE's website under the EDI Conference page: <http://www.asee.org/ASEE/conferences/edi/2009/Presentations.cfm>
- On May 15-16, 2009, the International Association of Continuing Engineering Education (IACEE) will hold a meeting at Tsinghua University in Beijing China. Following this meeting will be the 9th Forum on 21st Century Continuing Education, celebrating IACEE's 20th Anniversary. The event is co-hosted by IACEE and CACEE and its theme is "Development Strategy and Collaboration of Continuing Education in a Changing Society". It will run from May 18-20, 2009, with the official celebration taking play on May 17. Frank Huband and Jennifer Johnson from the Secretariat's Office will be attending the event.

Update from IFEES VPs

- The Engineering for the Americas (EftA) organization was completely restructured to position it to facilitate implementation of initiatives and collaboration with governments in the region, and the IFEES President and First Vice President were made officers of the Executive Advisory Committee. Planning of the 2010 IFEES Americas Regional Summit started, it may be located jointly with an OAS meeting the last quarter of 2010, most probably in September. Collaboration and review of the resources of the 2008 IUCEE Faculty Leadership Institute is underway to explore how to best adapt to the Americas Region. Students in the region are organizing to participate in the 2010 IFEES Summit and to develop student leadership training. Two papers, one on the outcomes of the 2008 IFEES Global Engineering Education Summit and the other on the IFEES Indo-US Collaboration of Engineering Education (IUCEE), will be presented at the American Society of Engineering Education (ASEE) Conference in June.
- Following the recognised major role of SEFI on the engineering education in Europe, there is an on going initiative to set up a joint IFEES-SEFI meeting in Rotterdam. This meeting would be entitled: IFEES and SEFI – Partnership for Excellence in Engineering Education and Capacity Building. The idea is to have someone from SEFI presenting the current status of engineering education in Europe, current challenges and strategic plan, followed by the presentation from IFEES current initiatives. The rest of the meeting would be open for dialogue and discussion of activities/initiatives to develop engineering education in Europe. A successful outcome of this meeting would be a 3 year joint action plan.
- The International Conference on Engineering Education 2009 (ICEE-2009) is being held in Beijing China 2009-Oct.20~21, (A golden season in Beijing after Olympic Game 2008).The main goal of this conference is to providing a chance to exchange and share the experience between developing countries and developed countries on engineering education. Under the sponsorship of Chinese Association of Science and Technology (CAST), International Conference on Engineering Education 2009 welcomes all of the participants from the world representing industry, academia and government, Corporate CEOs and HR directors, engineering researchers, educators and university leaders. Since the interaction of education and industry is an important mission of this conference.

Upcoming Events

- **5th Global Students Forum on Engineering Education, St. Petersburg, Russia
May 15-23, 2009**

Student Platform for Engineering Education Development (SPEED) in cooperation with International Federation of Engineering Education Societies and Russian Association for Engineering Education (RAEE) will gather 100 student leaders for the Global Student Forum on Engineering Education to discuss the ideas on Qualities and Competencies of a Globally competent and Locally applicable engineer. For further information: <http://worldspeed.org/gsf2009russia>.

- **3rd IFEES Global Engineering Education Summit, St. Petersburg, Russia
May 18-23, 2009**

Themed “*Quality Assurance and Accreditation in Engineering Education: Roadmap for Excellence,*” IFEES Summit is expected to gather at least 100 participants both from Russia and

all over the world to interact, share best practices and challenges, learn from one another, strengthen ties, and plan the following year's activities. For more information, please see: <http://www.ifees.net/activities/Summit.cfm>.

- **International Colloquium of the Russian Association for Engineering Education, St. Petersburg, Russia**
May 20-22, 2009

RAEE invites the professional bodies, societies and international registers dealing with accreditation of programs and certification of professionals to join our initiative of organizing of a colloquium for discussion of issues and recent progress in global recognition of engineering education and profession. The aim of the meeting is a searching *for global convergence of systems of recognition in accreditation and professional qualifications*. For more information, please see: <http://ac-raee.ru/colloquium/index.php>.

- **38th IGIP Conference, Graz, Austria**
September 6-9, 2009

The 38th IGIP Conference is a major international conference devoted to improvements in engineering education. IGIP 2009 conference continues a long tradition of disseminating educational research results and innovative practices in engineering pedagogy. It is an ideal forum for sharing ideas, learning about developments on these topics, and interacting with colleagues. The motto of the Symposium Q2 of E2 = Quality and Quantity of Engineering Education deals with two major keywords, which have emerged recently. For more information please see: <http://www.igip2009.com/index.php>

- **ACOFI 2009 National Meeting and Engineering Expo, Santa Marta, Colombia**
September 16-18, 2009

IFEES' member, ACOFI, will host its national meeting to generate an academic environment for analyzing and reflecting upon the relationship between the university, the productive sector and the State, from the perspective of Engineering Schools, with regard to processes of entrepreneurship and innovation and their impact upon society.

For more information, please see:

<http://www.ifees.net/news/documents/invitacionexpoingles.pdf>.

- **8th Annual ASEE Global Colloquium on Engineering Education, Budapest, Hungary**
October 12-15, 2009

The American Society for Engineering Education presents an annual global colloquium that unites the diverse elements of the international engineering education world while focusing on issues of interest to the international engineering education community. For more information, please see: <http://www.asee.org/conferences/international/2009/index.cfm>. During the Global Colloquium, the Global Engineering Deans Council (GEDC) will conduct a one-day Leadership Institute workshop focusing on capacity building for deans and rectors in Hungary, Europe and globally.

- **ASEAN Federation of Engineering Organizations Conference 2009, CAFEO 27, Singapore**
November 30 – December 2, 2009

IFEES' member The Institution of Engineers, Singapore will host the ASEAN Federation of Engineering Organizations Conference, focusing on "Engineering for Sustainable Environment" in Singapore. For more information please see either <http://cafeo27.com> or www.ies.org.sg.