



Young Engineers Future Leader Committee Meeting

Singapore

10th September 2013

13:00 – 18:00

Sands Expo and Convention Center. Marina Bay Sands

Room 3312, Level 3

- 1) Introductions & Welcome
- 2) Young Engineers/ Future Leader Youth Convention Kuwait Recommendation
 - a) Convention in Kuwait
 - i) 3 Topics
 - (1) Youth, Engineering, and Globalization
 - (2) Three recommendations
 - (a) More training to develop YEs
 - (b) Encourage and support education curriculums to support young engineers
 - (c) Link competency to strategy
 - (3) Movie about the convention in February
 - ii) Convention Report attached with these minutes for review.
- 3) Cooperation with UNESCO (Youth Forum)
 - a) Last year, YE/FL was invited as an observer. This year we are invited and have been asked to take on a bigger role. End of the month to confirm the upcoming UNESCO activity taking place to encourage children to pursue careers in math and science. Details to follow.
 - b) The forum is from October 29-30 in Paris.
 - c) YE/FL may send a delegation, but there are no funds available from the committee so individuals would be self-sponsored.
- 4) International Ring Ceremony
 - a) Draft Credo reads as follows:
 - i) *I Commit to making engineering decisions based on the best holistic solution taking into consideration operational safety, the environmental impact, the community benefit, project life cycle cost, sustainability and the influence on future generations. I commit to learning from colleagues and subject matter experts in my field of engineering and to mentoring those with less experience in my field of expertise. I commit to abiding by the rules and code of ethics as set by the governing and regulatory bodies in my field of engineering. I commit to always putting my best engineering judgment above personal or financial gain. I*



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will strive to leave a positive legacy through my involvement in the development of my field of engineering.

ii) Oliver – SA

(1) Criteria for defining the credo

- (a) Looked at other credos for doctors, lawyers, etc. for comparison
- (b) What do we, as engineers, want to say? The Ethical approach is important.
- (c) We want to show respect toward our mentors/elders.
- (d) Keep wording simplistic (for those whose first language is not English.)

(2) Now presenting to YE/FL committee for review and consideration.

(3) The first ceremony will be in Nigeria in 2014.

(4) Challenges?

- (a) How do we have a physical reminder of the oath so that it's more than just words repeated in a group setting?

(i) Not one ring fits all. Difficult to pre-plan.

(ii) Maybe use Pin instead? Ideas for designs?

- 1. Ovens suggested making a poem out of the credo (or song) so that it flows and it's easy to remember.

iii) Oliver to head task sub-committee

(1) Those interested in helping finalize the credo and ceremony, please contact him.

5) YE/FL official Members

- a) About 25 official members out of 87 member countries.
- b) Need to increase official members to get more participation in the committee.
 - i) Grace from Kenya, unofficially representing. Solicit an official nomination from the national member designating the appointee to the committee.
 - ii) Tamri, representing Zimbabwe
 - iii) President- Elect from Palestine
 - (1) We need to lean on him to get a representative
 - iv) Japan 2015- Has yet to nominate a YE
 - (1) Need to have someone as a liaison for the upcoming congress
 - v) Aisha from Nigeria, would help with the campaign of writing member organizations.

6) Social Media

- a) Facebook
- b) Twitter
- c) Blog
 - i) Invitation to guest blogs to present regional organizations
 - ii) Suggestions for topics to post about?

7) Amendments to YE/FL Constitution - National Delegation

- a) This topic was removed from the agenda.

8) Regional Updates



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- a) Gulf young engineer presentation
 - i) Abdullah Alraeafi is president.
 - ii) It's a Young Group, still forming.
 - (1) More than 500 YEs have joined the new committee.
 - (2) Objective is to support YEs to make their dreams come true and have the world be a better place.
 - (3) Not all Gulf countries are involved in YE/F. GYE will encourage other member countries to nominate a member and encourage them to be active participants.
- b) ECSA
 - i) Taf, new SA member made a presentation about activities in SA. Please see attached presentation for further information.
 - (1) ECSA
 - (a) In general, ECSA only discusses activities within SA, not the larger African region
 - (b) A dichotomy exists in SA in that there are both developed and developing aspects.
 - (i) New democracy – Old State.
 - (ii) New Engineers- Old Industry.
 - (iii) Dual economy.
 - (iv) Age gap in the industry.
 - (c) Very exciting time to be an engineer in Africa. Lot of people mobilizing and various Engineering groups throughout the country have formed
 - (d) Engenious initiative
 - (i) Industry-wide initiative to promote careers in technical fields using engineers as role models.
 - (ii) Road Shows
 - 1. Talk to students who are about to graduate and enter into the engineering environment. Just because you studied doesn't mean you're ready to integrate into the work environment. Hosts workshops that draw large crowds.
 - 2. "Real Life Reality Check"
 - a. Play to give a refresh on ethics and how to stamp out corruption in the engineering industry.
 - b. Change the way people think before they enter the industry, then they are better prepared to make good decisions in the future.
 - (iii) How can engineers make engineering more tangible to the public?
 - 1. Make people realize the value engineers provide to their everyday lives.
 - (2) EWB SA
 - (a) Formalized committee.
 - (b) Goal is to get student associations set up to do practical projects on the ground.



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- (c) There are great initiatives- plenty of action going on, but it is time to be better organized.
 - (i) There is a fragmented effort. Coordinate to have a planned way of making an impact across the country.
- (3) Common Issues
 - (a) Perceptions of engineering in society
 - (b) Challenges and role of YEs
 - (i) Consistency
 - (c) Civilisation
 - (i) Engineering should be a prideful career. Just as much as bankers, lawyers, doctors, etc.
 - (ii) 6-8 April 2014- Congress in Johannesburg for YE
 - 1. Strong focus on the role of YEs in society.
 - 2. Announcement will be sent out to committee with further details.
 - (iii) The Civilisation video and additional information can be found at:
 - 1. <http://saice-congress.co.za/>
 - 2. <http://www.saice.org.za/latest-news/civilisation->
- c) EYE – Sebastian Siemes, VDI
 - i) Most countries throughout Europe are members of this organizations
 - ii) Very open-minded like YE/FL
 - iii) EYE meeting was last weekend. Sebastian will attend the next meeting and make a good campaign for other countries to nominate members to YE/FL.
- d) Impromptu updates from guests
 - i) Kenya
 - (1) Lots of outreach going on.
 - (2) Partnered with SA in some initiatives.
 - (3) Trying to move/increase presence outside of Kenya.
 - ii) Zimbabwe
 - (1) Not solid...still growing.
 - (2) Only program is the bridge competition.
 - (3) Although nothing is being done in the way of outreach this year because of lack of funds.
 - (a) Presence at WFEO YE/FL is the way to say we need your help.
- 9) Singapore 2013 Program
 - a) YE/FL program, to be held at IES HQ. Refer to brochure for more details.
 - b) Youth Day organized by IES
 - i) See brochure for more details.
- 10) Nigeria 2014 Program
 - a) YE/FL proposed program presented by Eng Owens in the Status Report.



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- i) This document will be distributed with the minutes.
- 11) Japan 2015 Program
 - a) No Japanese representatives at meeting
 - b) Will reach out to discuss ideas for program
 - c) Solicit ideas from members-at-large
- 12) Presentation by CBC STC Chair Chris Campbell
 - a) Compendium
 - i) www.rawmediateesting.com/ecsa
 - ii) Still in testing mode, but can view on website above and contribute content relevant to YEs.
 - iii) Building Capacity is a cross-cutting theme. This compendium provides opportunity to consolidate information to facilitate knowledge sharing.
 - b) Educating the Next Generation of Engineers for the Global Workplace
 - i) Please see the attached power point for further info on the presentation.
- 13) Future Projects
 - a) Platform for jobs
 - b) Formal Mentorship
 - c) Exchange Program
 - i) Sebastian will send a document summarizing this idea.
 - d) Formalize the integration of YE/FL in other committees.
- 14) YE/FL Self-Assessment
 - a) Andrew Cleland presented about the results of the self-assessment, and trends across the STCs, to provide direction for improvement.
 - i) Executive board has looked at the way committees function within WFEO.
 - (1) Risen by 5 committees over the last 10 years.
 - ii) Committees to be formed/dissolved to accept STCs and priorities.
 - iii) Self and peer review took place. Operating in trial mode.
 - iv) Panel also did a review along with any other observations.
 - v) This committee is in the middle of a 4-year term. The comments are meant to help the committee grow and how can we get the greatest value from it.
 - (1) Nature of review. There were 12 questions, which Zainab submitted on behalf of the YE/FL.
 - (2) 3 Big questions
 - (a) What is the unique role of this committee? It must be distinct that no other body is doing.
 - (b) If this committee did not exist, why would we create it?
 - (c) How is the committee operating?
 - (3) Youngest committee in WFEO
 - (a) Tremendous enthusiasm and positive energy.
 - (b) Challenge you to think about how that energy is directed.



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(c) Either can provide activities for those that can come to meetings, but perhaps there are more things we can offer.

(i) 2 Main Challenges

1. Most countries have YE groups.
 - a. Committee should identify those things that work and don't work in a variety of countries.
 - b. Help countries that don't have YE groups set them up, and those that do to make them better.
 - c. Sharing of good practices could be added to this role.
2. What is the role of this committee relating to future leaders?
 - a. Is this just a place for activities? Or is this an opportunity to insert young engineers into the other STCs so that the YE voice is represented?
 - b. How can we bring the YE perspective into WFEO as a whole.?
 - c. WFEO works on long-term issues, and they are relevant to young leaders so how can the committee be a catalyst/breeding ground to get the youth voice acting through all the committees? This adds further leadership development to the young members.
3. How can you channel energy to benefit millions of YEs, not just those in the room?
 - a. The sense is that you are in start-up mode today, but these are challenges to think about as we grow.
 - b. Beyond personal benefit, how can we benefit the whole?
4. Make the involvement with other committees more formal. Every committee should have at least 2 active young engineers.

15) Other Business

- a) Suggestions from Seniors
- b) Volunteers for Corresponding Members to other STCs
 - i) Disaster Risk Management – Grace/Eloho
 - ii) Capacity Building Committee – Jafar/Ovens
 - iii) Education in Engineering – Aisha/Kate
 - iv) Energy – Sebastian/Musa
 - v) Anti-corruption – Oliver/Kate
 - vi) Women in Engineering - Fatima
 - vii) Innovative Technologies – Taf/Andrew
 - viii) Environment - Gladys

16) Closing Remarks