

Egypt Section

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What activities/programs/initiatives work well in your Section to foster Industry Relations? What changes would be required by IEEE/the Region/your Section to improve Industry Relations? What were major successes since the last meeting in terms of Industry Relations? How are you going to continue to foster Industry Relations?

Egypt Section held a series of Seminars and Technology workshops for different industries including Machine Learning, Embedded Systems, Micro-Electronics, Image Processing, Automotive Systems, Self-Driving cars, Smart Grid, etc. Moreover, Egypt Section linked industry to Students and Educational institutes through its annual competitions on Graduation Projects (EED) and Made in Egypt (MIE) which involves linking industry to students in their graduation year to present their projects through an annual meeting in September 2017. In 2017, more than 300 projects and 1500 student presented their projects in EED. In MIE more 73 projects competed in the event. More than 14000 visitors from industry and students attended the events held during 2 days in September 2017. Moreover, agreement with the Egyptian Engineering Syndicate for cooperation on developing innovation workshops for students has been initialized and will be signed in April 2018. More than 70 workshops and seminars and 200 training hours for young professionals has been held during EED2017 and MIE bringing technology and engineering experts to exchange their knowledge with students and young professionals.

Other Several workshops for YP and Student Branches training were arranged in several cities on Professional development and IEEE Xplore with EKB (Egyptian Knowledge Bank).

More than 150 professionals from industry attended EED2017 either to judge graduation projects or to search for positional engineers and employees or to sponsor their projects and incubate it. A similar competition is performed in Aswan under the name "Upper Egypt in Action" for the south of Egypt Students in February 2017 and is planned in 2018 in April. This involves several Educational and Professional activities for Engineers and Students. It attract 3000 attendees.

Eleven Conferences were sponsored by Egypt Section in different geographic areas in Egypt and in cooperation with the industry and universities.

EED Web Site: <http://eed.eng.cu.edu.eg/eed.eg/index.html>

Closing Ceremony Video for EED: <http://eed.eg/images/videos/EED17-final.mp4>

What activities/programs/initiatives work well in your Section to Attract and Support Future Members, e.g., Students and Young Professionals? What changes would be required by IEEE/the Region/your Section to better Attract and Support Future Members? What were major successes since the last meeting in terms of Attracting and Supporting Future Members? How are you going to continue to support Students and Young Professionals?

Egypt Section is making many Seminars and Technology workshops for different industries to attract new members. Several meeting with Engineers and Professional training has been conducted to involve volunteers to be members of IEEE. Moreover, Students are encouraged to work in student branches and as volunteers in the events EED and MIE to encourage them to join the student branches.

Eleven Conferences were technically sponsored by Egypt Section and posted in Xplore. In all conferences, industry was present and an average deduction of 40 US\$ in registration fee were applied. For members and student members. These conference span most Egyptian universities and Geographic locations in Egypt:

- 1) 13th International Computer Engineering Conference (ICENCO).
- 2) 27th International Conference on Computer Theory and Applications (ICCTA).
- 3) 8th International Conference on Intelligent Computing and Information Systems (ICICIS)...
- 4) ICASIS, 2017
- 5) International Conference on Advances in Mechanical Design and Manufacturing (MDP).
- 6) 2017 Intl Conf on Advanced Control Circuits Systems (ACCS) Systems & 2017 Intl Conf on New Paradigms in Electronics & Information Technology (PEIT)
- 7) 2017 Japan-Africa Conference on Electronics, Communications and Computers (JAC-ECC)
- 8) 2017 12th International Conference on Computer Engineering and Systems (ICCES)
- 9) 13th International Computer Engineering Conference (ICENCO).
- 10) 35th National Radio Science Conference (NRSC).
- 11) 1st International Conference on Innovative Trends in Computer Engineering (ITCE) Aswan University.

What activities/programs/initiatives work well to drive the vitality and sustainability in your Section? What changes would be required by IEEE/the Region/your Section to improve Section vitality and sustainability? What were major successes since the last meeting in terms of Section Vitality? How are you going to continue to foster Section Vitality?

Since the Egyptian Pound devaluation against the US\$ on November 2016, we have a very hard time keeping our members and attracting new ones. Moreover, after the Egyptian Knowledge Bank allowed IEEE Digital Library for all Egyptian Universities Staff, students and researchers. This made the drive to maintain IEEE membership less attractive. The current member Fees for One Year (without any societies) is around 85 US\$. This represent half a month's salary for a young Engineer. In 2017 the values of US dollar increased from 6.5 Egyptian Pounds to 18 Egyptian Pounds. This put a pressure on our membership. Student's membership also has been affected.

We were able to solve this issue by asking technology companies to subsidies some young members and students by contributing 30-40% of the cost which allowed Egypt Section to maintain its membership vitality. More than 150 YP and Students members used this sponsorship from industry to renew or to join IEEE.

What are your recommendations to IEEE Region 8 and the Africa Area Chair Gloria Chuckwudebe to foster IEEE in Africa? How does your Section support IEEE Activities in Africa?

Egypt Section can help nearby Countries that does not have IEEE activity (e.g. Sudan / Eretria, etc.) in starting their activities. The current proposal for bylaws for Africa need studies to be able to really apply it. The current proposal to get operating fund from African sections to operate Africa Area is not reasonable and will not be accepted. That is, we are just able to meet the needs of members and activities in Egypt. Distance and Cost of travel between Egypt and faraway African Countries is very high.

What services and which kind of support would you expect for Region 8 and/or your section out of the new IEEE office in Vienna, Austria? How has the existence of this office influenced your section since its inauguration last year?

No we did not feel its existence. We need to know what services Vienna office can perform.

Outstanding new initiatives, Special Achievements, Anniversaries.

Egypt Section has one MOU's with the Academy of Science and Technology in 2017. There is a plan to sign two other MOUs. The MOU signed in 2017 with the Egyptian Academy of Science and Technology (Ministry of Higher Education and Research) facilitates the continuous support to Egypt Section innovation workshops and student's projects and events. Currently, the Academy sponsors some of the section events, Moreover, the successful projects in EED and MIE get incubated in the Academy and the industry. In 2018, there is a plan to sign an MOU with the Egyptian Engineering Syndicate. This will mark a new cooperation with the largest Engineering Organization in Egypt. IEEE section will help in Education and professional activities for young Engineers. Moreover, the Engineering Syndicate is planning to sponsors some of our events. The signing of MOU in 2018 with Nokia-Egypt, will attract more members to be among our professional network and join IEEE Egypt Section volunteer community.



Fig. 1. Workshop-for-YP-members.



Fig. 2. Workshop-for-YP-members.



Fig. 3. EED-Volunteers.



Fig. 4. Students-Visitors in EED-2017.



Fig. 5. The Gallery-MIE-Projects.