Egypt Section   Samir I. Shaheen

Getting Closer to Industry

Industry linkage with students and Education to foster innovation, collaboration with Industry:

1) EED 2017 (Egyptian Engineering Day) which is an annual exhibition that host graduation projects from 42 engineering schools all over Egypt. We have more than 300 Projects and expect more than 10,000 attendees. Industry partners sponsors the event and participate in the activities.
2) MIE 2017 (Made in Egypt) will be held in the same location and time as EED. This is an effort to make students and industry collaborate in making a new product and it is a competition held since 2005. We have 45 registered projects until now.
3) Future City Program allows high school student to understand Engineering by collaborating in designing smart and future cities.
4) Upper Egypt in Action (March 2017) conference and projects exhibition that outreach remote universities in Upper Egypt area, the qualified projects has the right to present their work in EED 2017.
5) Long term yearly cooperation with Vodafone Egypt & NTRA (National Telecommunication Regulator) to support IEEE Young Professionals & Student activities in Egypt.
6) Vodafone offers internship opportunities for IEEE students and fresh graduate members.

Attracting and Supporting Future Members

Several conferences / Seminars / workshops have been performed in 2016 and planned for 2017. These include Egypt section sponsorship of scientific conferences with industry linkage in the ICT domain and beyond. All conferences allow for IEEE members / student members attendance a reduced fee and publishing papers in IEEE Xplore. These include the following:

1) 2016 28th International Conference on Microelectronics (ICM), Cairo, Egypt, Dec 2016.
2) 2016 26th International Conference on Computer Theory and Applications (ICCTA), Alexandria, Egypt, October 2016.
3) 2016 12th International Computer Engineering Conference, Faculty of Engineering, Cairo University, December 2016.
4) RST 2016, International Workshop on Recent Advances in Robotics and Sensor Technology for Humanitarian Demining and Counter-IEDs, Cairo, Egypt, October 2016.
5) 2017 Eighth International Conference on Intelligent Computing and Information Systems (ICICIS), Ain Shams University, Cairo Egypt, December 2016.
6) 2017 International Conference on Advances in Mechanical Design and Manufacturing (MDP), Cairo University, Egypt, December 2017.
7) 2017 13th International Computer Engineering Conference, Faculty of Engineering, Cairo University, December 2017.
8) 2017 34th National Radio Science Conference (NRSC) Academy of Science, Egypt, March 2017.
9) 2016 11th International Conference on Computer Engineering & Systems (ICCES), Ain Shams University, December 2016.

Section Vitality

Several activities attract members, YP, and student members. These can be summarized as:

- Activity in the student branches and events made during EED, MIE, Scientific conferences.
- Industry relations with ICT companies, industrial seminars, and workshops.
- Newsletter of the Egypt Section.
- Mailing list for all members and volunteers that include activities and new announcements.
- Encouraging member to apply for senior member elevation.
- attracting new members during conferences sponsored by the section.

We have a problem in the Fellow elevation since we do not have enough fellows to support the applications of our senior scientists.

IEEE in Africa

IEEE in Africa should concentrate in regional cooperation in conferences, workshops. Attending successful events in different sections in Africa will improve the performance of the whole Africa sections.

Support from IEEE Office in Vienna, Austria

IEEE office in Vienna should operate as a focal point for R8 sections and can be a catalyst for cooperation between R8 sections. It should facilitate the training of volunteers and provide training material, conference support, and the dissemination of member development material. It should also provide technology trend follow-up and standards of help to Region 8.

Miscellaneous / Recommendations / Feedback

Egypt Section is planning a new initiative for:

1) Helping successful projects in their quest for knowledge and research material.
2) Provide workshops and seminars on Small business needs and start-ups.
3) Promote with the government to incubate successful projects of graduating students who participate in EED and MIE.
4) Promote the importance of Engineering Management and Management of technology in the industry and education institutes.
5) Encourage Universities to adopt the different educational material made available by IEEE (e.g. ELearning courses, standards, Conferences, etc.).

6) Promote the curricula development material made available by IEEE for educational program development in Computer Engineering B.Sc. and Computer Science B.Sc., which is published every 5 years.