

## Egypt Section

**Ahmed Hassan Youssef**

**List the activities carried out to foster relations with Industry and the results obtained. List the initiatives planned during the next 6 months and their expected outcomes. How can the Region help your Section in your industry-related activities?**

- The section made two Memorandum of Understanding (MOUs) with two Corporates in Egypt (IBM and Valeo) in order to organize industry related technical sessions to members, volunteers, and the community in large about Autonomous Cars, Deep Learning, Artificial Intelligence and many other topics.
- Due to COVID-19, Egypt YP flagship event, Egyptian Engineering Day "EED" has been converted to online presence with technical and professional training sessions with speakers from the industry.
- The section Participated and foster networking between members and industry in online virtual conferences, competitions and projects that were organized by both the academia and the industry. The participation include keynote speeches from IEEE Egypt members, being in the Jury committee of the competitions and hackathons. This is done the hackathon or Electronic Research Institute to design and implement Autonomous Vehicle.
- The section encouraged and supported the funded projects that is close to industry. For example, a project "Egypt Beyond COVID-19" has been funded from the Academy of Scientific Research and Technology in Egypt and made several sessions between Academia, young professional and IBM, Microsoft, CISCO, HUAWAI and DELL in order to develop a futuristic study about Egypt after COVID-19 in three sectors: Information Technology, Industry, Transport and Supply Chain.
- Organizing IEEE Technical activities to increase the technical skills of Egypt section members who are part from the industry
- Organizing virtual industry tours/competitions with the main companies for IEEE students.
- Organizing regular planning meetings with companies representatives
- The section will continue to foster Industrial Relations by inviting companies and other stakeholders to the students and young professionals events and technical conferences
- The region can help by organizing an award for the best industrial sponsor.

**List the activities addressed to Students and/or Young Professionals and the results obtained. List the initiatives planned during the next 6 months and their expected outcomes. How can the Region help in your students and YP-related activities?**

- Students and Young Professionals made many activities. For example, On October 3rd, a technical session was organized with Valeo Xperts Meetup program. The session was about "Testing of Autonomous Driving Vehicles".
- The online Quarantine hackathon, orgnaized by SIGHT Egypt was a very successful event in April 20.
- Egypt YP flagship event, Egyptian Engineering Day "EED" has been converted to online presence with technical and professional training sessions. For example, a workshop about Digital Transformation in Health Care was organized on March 28th.
- The YP group arranged a virtual gathering to YP and student volunteers for planning. This concluded a report about all the challenges and needed help from the Executive Committee
- Recruiting new volunteers through establishing new students branches In the next weeks, we are expecting to plan for Egyptian Engineering Day (EED) 2021. We need support from the region by having more training for students and YP using online resources.

**List the activities carried out to retain and recruit members and the results obtained. List the initiatives planned during the next 6 months and their expected outcomes. How can the Region help in your membership-related activities?**

Egypt Section succeeded to meet its retention goals for the 2020 membership year. This was a result of:

- Encouraged sponsored conferences to give a discount of at least \$50 for IEEE members and students.
- Partnership with Government Initiatives. For example, IEEE Egypt section announced the MCIT-EPITA Artificial Intelligence Train the trainer Program provided by the French Graduate School of Computer Science and Advanced Technologies (EPITA).
- Help members to renew their memberships with local payments
- Support the activities of student branches, chapters and affinity groups.
- Encourage the new initiatives of volunteers.
- Provide members with Professional Sessions including the ones organized by the section and others organized by IEEE R8 Professional and Educational Activities. For example, one of the section most active members "Mohamed Amir" was the speaker in a session titled " I".

**List the activities intended to support chapters, affinity groups, and student branches and the results obtained. List the related initiatives planned during the next 6 months and their expected outcomes. How can the Region help in your support to chapters, affinity groups, and student branches?**

- Organizing virtual events with NGO, Government and Industry to raise awareness of IEEE and membership benefits. One of these events was co-organized with Nile University and it was about "Accreditation and Quality of Engineering Education: IEEE's Role and Perspectives from ABET". A live talk by: Dr. S. K. Ramesh
- The section initiated life member affinity group (LMAG) in order to maintain the senior members and show IEEE role models.

- The section reactivated Women in Engineering affinity group (WIE) in order to maintain the female IEEE members and show female role models.
- Elections for TEMS and Alexandria subsection are planned to be conducted before the end of the year.
- Arranged Egypt's student branches gathering to exchange their experience and plans in January 2020.

**Challenges (with a focus on what support is required from Region 8)**

- 1) Membership Fees is very high compared to average salaries in Egypt. It is recommended that R8 adopt a change in Fees structure to be proportional to salary scales of each country.
- 2) Conference Publishing Fees are very high. This makes some conferences to request publishing in Elsevier, Springer or Wiley. It is recommended that R8 adopts a change in publishing Fees structure



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**Accreditation and Quality of Engineering Education: IEEE's Role and Perspectives from ABET**

**S. K. Ramesh, Ph. D., FIEEE**  
Professor of Electrical and Computer Engineering  
California State University, Northridge  
Director of the Engineering Area Delegation, ABET  
Past Vice President, IEEE Educational Activities Board

Live on Nile University Facebook Page

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