

Uganda 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?

What activities/programs/initiatives work well in your Section to foster Industry Relations?

IEEE Uganda Section has been open to industry collaboration; both private and public sectors have been partners in organizing some of our section events. When we organize events like Webinars, Virtual Conferences, Distinguished lectures facilitated by distinguished lecturers most cases sponsored by R8, we invite both public and private sectors to join to attend them. Even our SIGHT workshops that we organize we invite all sectors to be part of the partners in achieving the goals and objects of the projects.

Activities that work well with IEEE Uganda Section include, but not limited to:

- SIGHT Projects, currently we have two SIGHT projects running: Name, Smart Farming in Uganda Refining the Design and Implementation of the Neopenda 4-in-1 Vital Signs Monitor to Save Lives at birth in Ugandan Communities.
- Distinguished Lecturer lectures, for the last 3 years we have conducted 5 distinguished lectures.
- IEEE Educational Activities Boards: Especially Teacher In - Service Programs (TISP); where we have conducted many TISP programs, including R8 TISP Week workshop.
- IEEE Virtual Conferences for example, 2018; we had 4 virtual conferences, namely:
 - IEEE Smart Grid Tutorial March, 13th, 2018
 - Green ICT 2016, dated: June, 16, 2018
 - The outbreak of Smart Grid Cyber-Security: The Modern Campfire Story, Dated: September 13, 2018
 - Smart Cities October, 20th, 2019
- Webinars are also activity that is good for our section, in 2018 for example the section was able to organize one webinar in collaboration with R8: Topic: Engineering a circular economy-waste to energy solutions -webinar, 25th October 2018.
- Promotion of Science, Technology, Engineering and Mathematics (STEM) Subjects in both primary and Secondary Schools so as to increase the number of Engineers and Scientists in Uganda.

What changes would be required by IEEE/the Region/your Section to improve Industry Relations?

Changes IEEE to improve Industry Relations are:

- To incorporate a program called Linking with Academia; this program should be key to advance that IEEE relation with Industry. IEEE should act as linkage to link the Academia with Industry, by identifying the gaps that is much needed Industry and also work together with Academia so as to solve some of those gaps identified.
- IEEE should device methods and ways to facilitate IEEE sections so that IEEE Volunteers are facilitated to promote the IEEE agenda in industries.
- There should visits organized by IEEE Sections to visit industries so as to preach about IEEE and its importance in technological Development.

What were major successes since the last meeting in terms of Industry Relations?

We have collaborations and partnerships with local engineering bodies e.g. Uganda Institution of Professional Engineers (UIPE) where we signed MoU to carry-out joint events etc. This allows UIPE members to attend our section activities and also for our IEEE members to attend UIPE events. We have many other organization that we collaborate with, including MUNU Foundation that help our section to promote STEM subjects in primary and Secondary Schools with IEEE members as volunteers to promote their activities.

Lastly, IEEE Uganda section is in discussions with a couple of other organizations for collaboration and partnership.

How are you going to continue to foster Industry Relations?

- We use our IEEE members to reach to some industries where they are currently working.
- When we organize an event we make sure we involve line industry to send in their representatives to attend the event. That we way we build partnerships

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?

What activities/programs/initiatives work well in your Section to Attract and Support Future Members, e.g., Students and Young Professionals?

The activities that has helped our section well to attract our IEEE members are mainly the following:

- They come and attend our IEEE Virtual Conferences
- Attend webinars; we have varieties of topics which interest them to attend in a common venue
- By Organising Workshops
- Organizing meetings
- Distinguished lectures

- End of year dinner where we have a talk; either career development talk etc.
- IEEE Membership Development drives where we invite IEEE members to come and volunteer
- We have Social Media platforms where all the IEEE members are in the groups of those platforms which has help our members to be informed on what is going on in the section.
- We encourage our IEEE members to participate in all IEEE activities
- We also encourage to write papers and publish in IEEE publications
- We also encourage our members to write proposal to attract funding for EPICS, SIGHT etc.
- We organized membership development workshops. All aimed at making members understand how IEEE operates, encouraging them to volunteer in different section related initiatives as well as sharing the available opportunities.
- Organize talks on EPICS, SIGHT and many IEEE Activities

What changes would be required by IEEE/the Region/your Section to better Attract and Support Future Members?

- IEEE should introduce reward system to reward the outstanding section volunteers.
- More activities should be organized so as to keep IEEE members and also to make sure that IEEE members are supported all the time.

What were major successes since the last meeting in terms of Attracting and Supporting Future Members?

- We have built collaborations with universities where we continue to visit and talk about IEEE and recruit new members. This has helped to set -up; currently we have two IEEE Student Branches; namely: IEEE Student Branch Kyambogo University and IEEE Student Branch Makerere University. And currently, we are forming another Student Branch at Mbarara University, in coming days.
- We have collaborated with some Industries which keeps our members and will continue to support our section.

How are you going to continue to support Students and Young Professionals?

- Collaboration with local industries and Universities is key; this will help to develop Students to get internships and Young professional can easily get jobs easily when this collaboration is maintained.
- To have regular meetings with students and Professional so as to listen to their concerns and to find ground to solve any challenges they may face.
- Local revenue should be generated to support Student branches and Young Professional Society team.

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?

What activities/programs/initiatives work well to drive the vitality and sustainability in your Section?

- Organize regular Career development sessions for Section members.
- Organize regular career talks for professional development
- Monthly meeting sessions
- Encourage members to renew their IEEE membership, this can be done by regular e-mail alerts to members.
- Involve IEEE members by volunteering in section events
- By organizing regular IEEE events
- Section encourages members to take part in the available capacity building/ training opportunities. E.g. 2018, two IEEE Uganda Section had two graduates of the MGA's Volunteer Leadership Training Program (VOLT) i.e. Janati Nakimera and Irene Magara both of whom have leadership positions at IEEE Uganda section

What changes would be required by IEEE/the Region/your Section to improve Section vitality and sustainability?

- IEEE identify unique courses facilitated by distinguished lecturers purposely targeting sections so that their members can attend the training.
- Motivate volunteers refund of their transport refund whenever they carry-out tasks

What were major successes since the last meeting in terms of Section Vitality?

- Organized how to write proposals for our section members
- Organized end of year mentorship sessions

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

What are your recommendations to IEEE Region 8 and the Africa Area Chair Gloria Chukwudebe to foster IEEE in Africa?

- Sharing the ongoing section initiatives with IEEE Africa (for experience sharing purposes as well as for future guidance/ for possible replication in other African Countries)
- Section chair needs to meet for often so as to develop Sections better and IEEE Africa better
- IEEE membership is still high for African Countries, even though our IEEE membership is still lower than other Regions.

- Each Sections needs funding to rent offices in their respective Countries. As for Uganda section, we face challenges where some would be new members to subscribe due to fear that their fees will not reach IEEE head office or IEEE is line online companies that are take money from population.
- Air tickets be procured early for IEEE event participants; as oppose to refund. IEEE members face challenges to get money to pay their air ticket and refund later.
- IEEE Africa should engage with African Union so that African Countries can work with their respective sections and get support.

How does your Section support IEEE Activities in Africa?

- Sharing the ongoing section initiatives with IEEE Africa (for experience sharing purposes as well as for further guidance/ for possible replication in other African Countries
- Implement IEEE Activities in Africa activities

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?

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?

- Organize Virtual Conferences
- Rent offices for Sections as point of reference
- Organize Leadership training for Section leaders
- Training how to write IEEE standard papers
- Fund Section Activities
- Increase funding for R8 TISP Week Workshops, which is currently at \$ 250 USD.
- Reduce IEEE membership which is high for IEEE members in African and indeed in other parts of the world.

How has the existence of this office influenced your section since its inauguration last year?

- It has brought IEEE services closer to IEEE members in R8
- We now have monthly newsletter that updates our members of activities in R8

Outstanding new initiatives, Special Achievements, Anniversaries.

Outstanding new initiatives, Special Achievements, Anniversaries.

- Section leaders who perform well should recognized
- Constant trainings for IEEE members for their professional development
- Calls for funding should be continuous to support section activities
- We have challenges with IEEE promotional Materials; R8 should make sure that Sections are supplied with promotional Material continuous to promote IEEE.