

IEEE SECTIONS CONGRESS 2017 Recommendations

1. Review the Women in Engineering membership model - including dues structure - with the goal of sustainable increased member outreach globally.
2. Develop an incentive program for corporations to join IEEE as 'Corporate Member'.
3. Improve IEEE service to industry professionals by offering reduced-cost access to standards with the goal of increased industry member satisfaction.
4. Continuing education could be based on short courses presented by members. The implementation would provide the means for members who are current in academics or expert in tools, to enter a database for scheduling short courses by Sections. Funding might be provided to expand venues and extend to disadvantaged areas.
5. Develop (or expand existing) training programs and/or create partnerships with external organizations to allow members to provide STEM activities to pre-college students. Provide 'canned' or 'in a box' style demonstrations and presentations that local Sections can deliver to pre-college students. Re-evaluate a 'Junior IEEE' membership program targeted at pre-college students.
6. Create partnerships with successful online course providers (or develop courses in-house, based on the input of high-profile experts in all technical skills/fields) to offer members looking for specialized training with discounted professional educational opportunities.
7. Create an IEEE training and mentorship program for members who want to translate their ideas into sustainable businesses.
8. Create a mobile application, which provides general information, receive notification of pre-selected topics and pre-selected frequency and selected IEEE links.
9. Assist Sections to develop a visibility campaign that reaches out to non-engineers to let them know what IEEE has done to make the world a better place; the result being that IEEE would be known in key countries for its wide breadth of fields of interest.
10. Facilitate creating an array of MOVE Disaster Response solutions (i.e., vehicle, kit, or other appropriate capability) tailored to each geographic location to increase the visibility of the profession across the globe and provide disaster relief, STEM education, networking, and public service to our local communities.

11. Identify technologies useful for prevention and relief of natural disasters and educate community leaders on operation and maintenance of those technologies. Identify opportunities for the development of low-cost technologies.
12. Develop a knowledge base (best-practice guides, success stories, protocols) of solutions to common problems worldwide, based on the knowledge of different entities within the IEEE. The final product would be shared with public institutions through the Sections.
13. IEEE recognizes members for seniority (Senior Member, Fellow, Life Member), but there is a large gap in recognition before senior membership. Create a merit-based system that recognizes young professionals by their publications and professional achievements and make the recognition easy to apply for.
14. When getting nominated for IEEE Fellow, members outside the 'Research Engineer/Scientist' category such as industry, government, and military backgrounds, may encounter challenges due to proprietary or non-publishability constraints. To increase recognition and elevation of such members, the Fellow grade nomination form and process should be modified to fit each category.
15. Invest in continued development/improvement of vTools beyond its current functionality to improve volunteer experience.
16. Strengthen and recognize Industry/Academia/Government Collaboration/Partnerships
 - Create a Section Award for Industry/Academia/Volunteer collaboration
 - Organize multidisciplinary Industry/Academia/Government events focused on 'hot' issues
 - Develop a public communications platform to develop projects and share results
 - Create a 'dating' platform to communicate industry issues searching for solutions and possible 'applications' of research results.

