

Algeria Section

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Section Vitality

The last section election was in January 2022, the next election will be in December 2023. Up to date the practice of having the Vice-Chair becoming the next Section Chair is not applied.

The meetings, which were held during the period from January 2022 to September 2022 are listed as follows:

1. First Meeting of the ExCom which was held on 10 February 2022. This meeting was a start point of the new office of the IEEE Algeria Section. The past office members was invited as well as some colleagues from the office of R8.
2. Technical Meeting of IEEE Algeria Section held on 21 February 2022. In this meeting the following points were discussed:
 - Approval of technical sponsorship of IEEE Algeria Section to conferences.
 - Website of IEEE Algeria Section promotion.
 - Discussions of the actual situation of local Chapters.
3. Second Meeting of Algeria Section 2021-2022 held on 20 May 2022. This meeting was reserved to the discussion of some organizational issues and the suggestion of the section activities roadmap for the next half of 2022.
4. Technical Meeting of IEEE Algeria Section held on 14 Jul 2022. In this meeting, the office of the section discussed technical activities such as the conferences, the workshops and other events.
5. Technical Meeting of IEEE Algeria Section held on 27 Jul 2022. This meeting focused on the current activities of the local chapters, the membership vitality, the eventual collaboration among chapters and the main problems to be solved.

The activities carried out to retain and recruit members:

1. Encouraging the educational and technical activities;
2. Encouraging the Student branches of organizing activities, as we are convinced that the future of the section will be within the hands of young people and students, who will be the real power of the section.
3. Participations at the conferences, which are technical sponsored by the section. The main aim of these participations is to allow presenting the section and its main objectives and goals to a large community.
4. Participation to Humanitarian activities.
5. Organization of workshops;
6. Organization of schools and special lectures of high quality, especially for master students and PhD students.
7. Scheduling of visiting led by the members of the ExCom within the whole universities and the colleges of the countries to introduce the section and its main objective and goals.

Students

The list of the active Student Branches in the Section are:

1. Student Branch of Boumerdes (University of Boumerdes (STB16261)
The main activity organized by this ST:
 - Let's Talk mars was held on 2nd February 2022. In this event, "Noureddine MELIKECHI", shared his experience in NASA and giving updates about rover mission, it was an incredible opportunity to learn from an experienced brilliant mind.
 - PCB Design was held on 24 February 2022. This workshop targets beginners in designing circuits who are willing to learn its basics. During the workshop sessions, the process of designing at, modeling it, and bringing it to life in the physical form, was carried out. By the end of this workshop, the participant were be able to design their own PCB and manufacture it.
 - Machine Learning Bootcamp was held on 12 April 2022. In this event two days training on AI and machine learning followed by a 30 days of coding challenges.
 - IEEE PES DAY REMENA Gathering was held on 16-17 April 2022. In this event, the SB was honored to have various speakers to answer many questions they had and learnt more about alternative energy sources and energy storage that are vital to any operating plant.
 - Lecture on power converter dominated system challenges and solution was held on 25 April 2022.
 - Grid modernization: Technological advancement beyond smart grids was held on 06 May 2022.
 - Machine learning for geoscience and remote sensing.
2. Student Branch of Ecole Nationale Polytechnique.

The newly formed Student Branche:

1. Student Branch of Djelfa University.



Student branch of Boumerdes (Photo taken during an activity that was held during 2022)



Visit of the Algeria Section Chair to the Student Branch of Ecole Nationale Polytechnique

Affinity Groups

Algeria Section have currently two Affinity Groups:

2. Algeria section Affinity Group, YP.
3. Algeria IEEE Sight Group

The main meeting of this AG:

- First meeting of IEEE Algeria SIGHT Group, was held on 21 March 2022. This meeting discussed the following points:
 1. Objectives of the SIGHT Group to support innovative projects.
 2. The call for proposal for projects for June 2022.
 3. Difficulties for using a local bank to receive funds from IEEE to complete a project.

Chapters

List of Chapters in Algeria Section:

- Algeria Chapter EM 27
- Algeria Chapter PE31
- Algeria chapter GRS29, has reported on time and received rebate.
- Algeria Joint Chapter IE13/IA34
- Algeria Joint Chapter NPS05/PEI32

List of Chapters in Algeria Section newly formed:

- Algeria Chapter PEL35

The list of the main activities which were held in 2022:

- Organization of the 3rd edition of M2GARSS: 1st meeting (online), was held on 21 March 2022. This 1st meeting of the IEEE-GRSS Algeria chapter steering committee and A2GRS Association, discussed the possibility of organizing the 3rd edition of the M2GARSS, when and How? The 1st and the 2n symposiums were organized by Tunisia and turkey chapters. M2GARSS provides an ideal forum for obtaining up-to-date information about the latest developments, exchanging ideas, identifying future trends in research area and making contacts with the international remote sensing community. With intensive and careful planning underway. The present member to this meeting anticipated a technically outstanding and most pleasant symposium.
- GIS days, were held on 21 March 2022. This training was aiming to provide student trainees with the cartographic and spatial tools necessary for forest cover management. The training was fixed for two days in face-to-face, and contained a theoretical component and a practical. Students were able to implement thematic mapping and manipulate spatial data in relation to the forest environment (parcel plan, structural data of the forest cover, infrastructure and equipment ... etc.).
- Machine learning for geoscience and remote sensing, was held on 21 March 2022. In this event the Machine learning algorithms were presented.

Industry

The Algeria Section till now has a weak network with industries. Therefore, one among the main objective to be achieved by the end of this year to build a strong network within the whole country. This networking will allow the have many internship and practicum facilities for the members of the section, especially master and PhD students.

Activities since the last report

The main gap that is being faced by the section that still some chapters are not bringing important activities to the section. On the other side, there is a chapter that is very active and has brought many activities within the section. It can be said the financial support to the section is still weak, thing that has a big influence on the quality of activities, especially Algeria is a very large country, and to cover it is not easy without important funding support. It is worthy to mention in this report that the students membership is improving in Algeria Section, and it is expected more student branches will be formed before the end of this year, as well at least new chapters will be formed by the end of this year.

Planned activities

The main future activities and initiatives in Algeria Section for the coming period are as follows:

- Encouraging the Stand branches to be more active for attracting new members based on new encouraging activities.
- Encourage chapters to form student branches.
- Encouraging the current members to form new chapters within their majors and try to attracting new members.
- Launching new projects within the existing opportunities such as SIGHT, EPICs etc.
- Encouraging student branches to take parts within the offers given by IEEE Smart Village (ISV)
- Participant technically in the conferences organized within Algeria.
- Organizing schools for Master and PhD students during the different vacancies of the year.
- Reinforcing the visiting and the publication of the main roles and advantages of IEEE Section within the whole country, especially in Universities and colleges.
- Concentrating in Humanitarian activities, especially for people in need and in isolated regions.
- Building strong relations and collaboration within the sections and chapters of R8.
- Try to playing a vital role within the Algeria society based in using technology.

How Region 8 can be of help to your Section, members, and activities

The role of R8 in enhancing the quality of activities in Algeria Section is important. We can summarize the important among them in the following points:

- The accompaniment of the office section for ensuring their main roles.
- Integrating the Algeria Section within the main activities of R8
- Integrating members from Algeria Section within different committees of R8.
- Helping Algeria Section in reaching as much as possible collaboration with other sections and chapters in R8.