

## Algeria Section

**Kouzou Abdallah**

### 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 November 2022 to March 2023 are listed as follows:

1. End year 2022 Technical Meeting of IEEE Algeria Section. This meeting discussed essentially the technical activities achievement during 2022. In this meeting the main following points were discussed:
  - Presentation of the technical sponsorship of conferences during 2022
  - Chapter Technical Activities
  - Student Branches Technical activities
  
2. End year 2022 IEEE Algeria Section EXCOM meeting held on 31 December 2022. This meeting will be dedicated to the assessment of the IEEE Algeria Section Office activities.
3. Administrative Meeting of IEEE Algeria Section Office held on 28th January. In this meeting the main following points were discussed:
  - Presentation of the new chairs of chapters
  - Planning of the Meeting of the first half of 2023 (Administrative, ExCom, Technical)
  - Update on the Website of the Section
  - Section financial support for representatives of the section
  - Technical activities road map
4. IEEE Algeria Section EXCom Meeting (1-2023) held on 16 March. In this meeting the main following points were discussed:
  - Short Statistics about the IEEE Algeria Section (Kouzou A)
  - Statistics about Chapters (Kouzou A)
  - Statistics about Student Branches (Malki Y. I)
  - Launching of creation of YP office (Drid S)
  - Technical sponsoring of Conferences (Chaib N)
  - Chapters Activities (Chapters' Chairs)
  - The renewal of Chapters offices (following the bylaw of IEEE) (Kouzou A)
  - Proposal of IEEE Algeria Section Chair-Elect position (Kouzou A)  
Affinity group forming and activities (Kouzou A)

The activities carried out to retain and recruit members: The Section maintain the same activities, which were launched during the last year.

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:

- Automation Engineering Skills a full automation course delivering key components including classic control, PLC programming, SCADA and HMI, the training started on November 29th 2023 and it is still ongoing.
- Machine Learning Bootcamp 2.0 on January 29th 2023 the second edition of MLB opened the doors for more students to learn about the Artificial Intelligence and Machine learning algorithms almost 100 participants finished the training.
- Robotics competition: as a preparation for students to participate in IEEE Duino program, a series of workshops were held to develop students skills in Robotics and arduino. The training concluded with an internal competition on March 9th 2023.
- Professional skills development: each week a student member delivers a workshop on a professional skill required for a better professional career like: Resume(CV) reduction, LinkedIn, Interviewing and negotiating, Github...



These pictures from activities held by IEEE Student Branch University of Boumerdes

2. Student Branch of Ecole Nationale Polytechnique.

- The IEEE ENP Branch was founded on September 09, 2019 by twelve enthusiastic students in the fields of electronics, energy and automation at the National Polytechnic School under the IEEE Algeria section. It aims to promote the activities of the IEEE in Algeria within the framework of the "IEEE Region 8" (Europe, Africa, and Middle East). This Branch has launched by the end of 2022 IEEE Algeria Hackathon is an event that aims to



include all the student branches of the Algerian section in one big competition to find the best solution to a chosen problematic.

### Student branch of ENPs ( Photo taken during 2022 IEEE Algeria Hackathon)

3. Student Branch of Djelfa University.
  - The Institute of Electrical and Electronics Engineers (IEEE) Student Branch of Djelfa University is making great strides in promoting technology and innovation among students. The branch was established to provide students with the resources and opportunities they need to develop their technical and leadership skills, and it has done just that.



### Affinity Groups

Algeria Section have currently two Affinity Groups:

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

### 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
- Algeria Chapter ED15
- Algeria Chapter SSC37
- Algeria Chapter VT06
- Algeria Chapter SEN39

### Industry

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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 during the last year persist to be the same that some chapters are still not bringing important activities to the section. On the other side, there are new chapters, which were formed and they are bringing new activities to 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 this gap, 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, especially within new initiatives in other universities, such as the University of M'sila, and it is expected that 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.